

```

Title:      US-10-081-817A-15
Perfect score: 551
Sequence:    1 cgagcggagagcgagcgagg.....gagcccccagcccgccgccc 551

Scoring table:
IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

```

Minimum DB seq length:	0
Maximum DB seq length:	20000000000

```

post-processing:  Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries

```

```

Database :
Published Applications_NM: *
1: /cgn2_6/p/odata/1/pubpna/US07_PUBCOMB.seq: *
2: /cgn2_6/p/odata/1/pubpna/PC91_NEW_PUB.seq: *
3: /cgn2_6/p/odata/1/pubpna/US06_NEW_PUB.seq: *
4: /cgn2_6/p/odata/1/pubpna/US06_PUBCOMB.seq: *
5: /cgn2_6/p/odata/1/pubpna/US07_NEW_PUB.seq: *
6: /cgn2_6/p/odata/1/pubpna/PC91_PUBCOMB.seq: *
7: /cgn2_6/p/odata/1/pubpna/US08_NEW_PUB.seq: *
8: /cgn2_6/p/odata/1/pubpna/US08_PUBCOMB.seq: *
9: /cgn2_6/p/odata/1/pubpna/US09A_PUBCOMB.seq: *
10: /cgn2_6/p/odata/1/pubpna/US09C_PUBCOMB.seq: *
11: /cgn2_6/p/odata/1/pubpna/US09_NEW_PUB.seq: *
12: /cgn2_6/p/odata/1/pubpna/US10A_PUBCOMB.seq: *
13: /cgn2_6/p/odata/1/pubpna/US10B_PUBCOMB.seq: *
14: /cgn2_6/p/odata/1/pubpna/US10_NEW_PUB.seq: *
15: /cgn2_6/p/odata/1/pubpna/US60_NEW_PUB.seq: *
16: /cgn2_6/p/odata/1/pubpna/US60_PUBCOMB.seq: *
17: /cgn2_6/p/odata/1/pubpna/US60_NEW_PUB.change to h

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	509.2	61.4	547	13	US-10-081-817-19	Sequence 19, Appl
2	338.4	62.4	1294	12	US-10-059-579-120	Sequence 12, App
3	143.6	26.1	53.3	13	US-10-027-632-196114	Sequence 6, Appl1
4	116	26.1	561	14	US-10-237-835-27	Sequence 27, Appl
5	78	14.2	569	12	US-10-210-951-27	Sequence 407, App
6	78	14.2	570	9	US-09-989-742-407	Sequence 407, App
7	78	14.2	570	9	US-09-989-742-407	Sequence 407, App
8	78	14.2	570	9	US-09-989-742-407	Sequence 407, App
9	78	14.2	570	9	US-09-989-742-407	Sequence 407, App
10	78	14.2	570	10	US-09-989-732-407	Sequence 407, App
11	78	14.2	570	10	US-09-989-073-407	Sequence 407, App
12	78	14.2	570	10	US-09-980-442-407	Sequence 407, App
13	78	14.2	570	10	US-09-981-163-407	Sequence 407, App
14	78	14.2	570	10	US-09-993-604-407	Sequence 407, App
15	78	14.2	570	10	US-09-990-456-407	Sequence 407, App
16	78	14.2	570	10		

	78	14.2	570	10	US-09-989-721-407	Sequence 407, App
17	78	14.2	570	10	US-09-992-998-407	Sequence 407, App
18	78	14.2	570	10	US-09-989-993-407	Sequence 407, App
19	78	14.2	570	10	US-09-986-735-407	Sequence 407, App
20	78	14.2	570	10	US-09-990-444-407	Sequence 407, App
21	78	14.2	570	10	US-09-991-181-407	Sequence 407, App
22	78	14.2	570	10	US-09-989-730-407	Sequence 407, App
23	78	14.2	570	10	US-09-990-436-407	Sequence 407, App
24	78	14.2	570	10	US-09-993-687-407	Sequence 407, App
25	78	14.2	570	10	US-09-989-734-407	Sequence 407, App
26	78	14.2	570	10	US-09-997-653-407	Sequence 407, App
27	78	14.2	570	11	US-09-993-667-407	Sequence 407, App
28	78	14.2	570	11	US-09-997-428-407	Sequence 407, App
29	78	14.2	570	11	US-09-997-686-407	Sequence 407, App
30	78	14.2	570	11	US-09-990-438-407	Sequence 407, App
31	78	14.2	570	11	US-09-990-562-407	Sequence 407, App
32	78	14.2	570	11	US-09-990-111-407	Sequence 407, App
33	78	14.2	570	11	US-09-989-912-407	Sequence 407, App
34	78	14.2	570	11	US-09-988-156-407	Sequence 407, App
35	78	14.2	570	11	US-09-990-437-407	Sequence 407, App
36	78	14.2	570	11	US-09-991-157-407	Sequence 407, App
37	78	14.2	570	11	US-09-997-573-407	Sequence 407, App
38	78	14.2	570	11	US-09-991-172-407	Sequence 407, App
39	78	14.2	570	11	US-09-990-726-407	Sequence 407, App
40	78	14.2	570	11	US-09-997-559-407	Sequence 407, App
41	78	14.2	570	11	US-09-987-601-407	Sequence 407, App
42	78	14.2	570	11	US-09-990-443-407	Sequence 407, App
43	78	14.2	570	11	US-09-991-854-407	Sequence 407, App
44	78	14.2	570	11		
45	78	14.2	570	11		

ALIGNMENTS

```

US-10-081-817-19 Application US/10081817
Sequence ID: 19 Publication No. US20020183501A1
GENERAL INFORMATION:
APPLICANT: Polyak, Kornelia
INVENTOR: Porter, Dennis
APPLICANT: Sgrol, Dennis
APPLICANT: Kropf, Ian
TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
FILE REFERENCE: 00530-094001
CURRENT APPLICATION NUMBER: US/10/081_817
PRIORITY FILING DATE: 2002-05-31
CURRENT APPLICATION NUMBER: 60/270,973
PRIOR APPLICATION DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/351,908
PRIORITY FILING DATE: 2002-01-25
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 19
SEQUENCE LENGTH: 547
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc_feature
LOCATION: 186
OTHER INFORMATION: n = C or G
US-10-081-817-19

          92.4%   Score 509.2; DB 13; Length 547;
Best Local Similarity 97.8%; Pred. No. 3,2e+101;
Matches 539; Conservative      0; Mismatches      8; Indels     4; Gaps    2

Query Match
DB            1 CGGGCGGAGGCGCCGCCTGTATCCTTCACCTCCGCCAG 60
              1 CGGGCGGAGGCGCCGCCTGTATCCTTCACCTCCGCCAG 60
OY           61 CGCAGAAGCGCCACGACACCAGTCCAGCTTGAGATCAAG 120
              |||.....|||..|||||.....|...|||.....|...|

```


Db
13 TCCCTCACC GG 3

US-10-237-435-b	21.1%;	Score 116;	DB 14;	Length 561;			
Query Match	100.0%;	Pred. No. 1.3e-16;					
Best Local	116;	Conservative	0;	Mismatches	0;	Indels	Gaps
OY	436	GCCTTCTCAGAGACCGCGGGCGAGCGCGCTGTGAGGGGCGAGACCGGGATATAGAAAGC	60				
Db	1	GCCTTCTCAGAGAGCGGGCGAGGCGCGCTGTGAGGGGCGAGACCGGGATATAGAAAGC	551				
OY	496	CTCCTGAGGCGCTTCCCGGGCGACGCGGAGGTTCCCGCGCGCCGACCCCGCGCGC	116				
Db	61	CTGTGTGCGCTTCCCGGGCGACCGCGAGGTTCCCGCGCGCCGACCGCCCGCGCGC					

RESULT 5
US-10-210-951-27
Sequence 27, Application US/10210951
Publication No. US2003017028A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austral J.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Marsters, Scot A.
APPLICANT: Pan, James
APPLICANT: Pitti, Robert M.
APPLICANT: Roy, Margaret Ann
APPLICANT: Smith, Victoria
APPLICANT: Stone, Donna H.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMORS
FILE REFERENCE: P2931R1C1
CURRENT APPLICATION NUMBER: US/10/210,951
CURRENT FILING DATE: 2002-08-02
PRIOR APPLICATION NUMBER: 60/014699
PRIOR FILING DATE: 1996-04-01
PRIOR APPLICATION NUMBER: 60/026943
PRIOR FILING DATE: 1996-09-23
PRIOR APPLICATION NUMBER: 60/059121
PRIOR FILING DATE: 1997-07-17
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/062037

US-10-210-951-21	14.2%	Score 78;	DB 12;	Length 569;	
Query Match	Similarity 100.0%;	Pred. No. 1.9e-08;	Indels 0;	Gaps 0	
Best Local	Matches 78;	Conservative 0;	Mismatches 0;		
474	GCAGAGCCGGGTATGAAGACCTCGTGCCTTGCCCGGAGCGCAGATTGCCGCGC				60
Db	1 GCAGAGCCGGGTATGAAGACCTCGTGCCTTGCCCGGAGCGCAGATTGCCGCGC				551
QY	534 GCCCGAGCCCCCGCGCC				
Db	61 GCCCGAGCCCCCGCGCC				78

RESULDI
US-09-989-722-407
Sequence 407, Application us/09989722
? Sequenc No. US20020072067A1
? Patent INFORMATION:
? APPLICANT: Ashkenazi, Avi J.
? APPLICANT: Baker, Kevin P.
? APPLICANT: Botstein, David
? APPLICANT: Desnoyers, Luc
? APPLICANT: Eaton, Dan L.
? APPLICANT: Ferrara, Napoleone
? APPLICANT: Fong, Sherman
? APPLICANT: Gerber, Hanspeter
? APPLICANT: Gerlitsen, Mary E.
? APPLICANT: Goddard, Audrey
? APPLICANT: Godowski, Paul J.
? APPLICANT: Grimaldi, Christopher
? APPLICANT: Gurney, Austin L.
? APPLICANT: Kislavln, Ivay J.
? APPLICANT: Napier, Mary A.
? APPLICANT: Pan, James
? APPLICANT: Paronl, Nicholas F.
? APPLICANT: Roy, Margaret Ann
? APPLICANT: Stewart, Timothy A.
? APPLICANT: Tumas, Daniel
? APPLICANT: Watanabe, Colin K.
? APPLICANT: Williams, P. Mickey
? APPLICANT: Wood, William I.
? APPLICANT: Zhang, Zemin
? TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
? TITLE OF INVENTION: Acids Encoding the Same
? FILE REFERENCE NUMBER: P2730P1C63
? CURRENT APPLICATION NUMBER: US/09/989,722
? CURRENT FILING DATE: 2001-11-19
? PRIOR APPLICATION NUMBER: 60/049787
? PRIOR FILING DATE: 1997-06-16
? PRIOR APPLICATION NUMBER: 60/062250
? PRIOR FILING DATE: 1997-10-17
? PRIOR APPLICATION NUMBER: 60/065186
? PRIOR FILING DATE: 1997-11-12
? PRIOR APPLICATION NUMBER: 60/065311

[illegible]

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.rnpb

```

; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09
; PRIOR FILING DATE: 1998-07-09

Query Match 14.2% Score 78: DB 9: Length 570:
Best Local Similarity 100.0% Pred. No. 1.3e+08; Indels 0; Gaps 0:
Matches 78: Conservative 0; Mismatches 0;

OY 474 GCGAGACGGGGTATAGAGCCTGTCGCTTGGCCGGGAGCGGAGGTTCCCGCGC 533
    |||||||
Db 1 GCGAGACGGGGTATAGAGCCTGTCGCTTGGCCGGGAGCGGAGGTTCCCGCGC 60

OY 534 GCGCGAGCGCGCGCGCGC 551
    |||||||
Db 61 GCGCGAGCGCGCGCGCGC 78

RESULT 7
US-09-989-723-407 Application US/09989723
; Sequence 407
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C62
; CURRENT APPLICATION NUMBER: US/09/989,723
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
```

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.rnpb

Page 6

;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089598
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089599
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089600
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089601
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089907
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089908
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01

;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09
Query Match 14.2% Score 78; DB 9; Length 570;
Best Local Similarity 100.0%; Pred. No. 1,9e+08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 474 GCGAGACCGCGGTATAGAGCGCTGCGCCGCGGACCGGAGTTCCCCGCC 533
DB 1 GCGAGACCGCGGTATAGAGCGCTGCGCCGCGGACCGGAGTTCCCCGCC 60
QY 534 GCGCGAGCGCCCGCGCC 551
DB 61 GCGCGAGCGCCCGCGCC 78
RESULT 8
US-09-989-279-407
; Sequence 407, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Astkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bolstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J Christopher
; APPLICANT: Guney, Austin L.
; APPLICANT: Kiljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paonli, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C56
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: US/09/989,279
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910

1 PRIOR FILING DATE: 1998-03-20
2 PRIOR APPLICATION NUMBER: 60/083322
3 PRIOR FILING DATE: 1998-04-28
4 PRIOR APPLICATION NUMBER: 60/084600
5 PRIOR FILING DATE: 1998-05-07
6 PRIOR APPLICATION NUMBER: 60/087106
7 PRIOR FILING DATE: 1998-05-28
8 PRIOR APPLICATION NUMBER: 60/087607
9 PRIOR FILING DATE: 1998-06-02
10 PRIOR APPLICATION NUMBER: 60/087609
11 PRIOR FILING DATE: 1998-06-02
12 PRIOR APPLICATION NUMBER: 60/087759
13 PRIOR FILING DATE: 1998-06-02
14 PRIOR APPLICATION NUMBER: 60/087827
15 PRIOR FILING DATE: 1998-06-03
16 PRIOR APPLICATION NUMBER: 60/088021
17 PRIOR FILING DATE: 1998-06-04
18 PRIOR APPLICATION NUMBER: 60/088025
19 PRIOR FILING DATE: 1998-06-04
20 PRIOR APPLICATION NUMBER: 60/088026
21 PRIOR FILING DATE: 1998-06-04
22 PRIOR APPLICATION NUMBER: 60/088028
23 PRIOR FILING DATE: 1998-06-04
24 PRIOR APPLICATION NUMBER: 60/088029
25 PRIOR FILING DATE: 1998-06-04
26 PRIOR APPLICATION NUMBER: 60/088030
27 PRIOR FILING DATE: 1998-06-04
28 PRIOR APPLICATION NUMBER: 60/088033
29 PRIOR FILING DATE: 1998-06-04
30 PRIOR APPLICATION NUMBER: 60/088326
31 PRIOR FILING DATE: 1998-06-04
32 PRIOR APPLICATION NUMBER: 60/088167
33 PRIOR FILING DATE: 1998-06-05
34 PRIOR APPLICATION NUMBER: 60/088202
35 PRIOR FILING DATE: 1998-06-05
36 PRIOR APPLICATION NUMBER: 60/088212
37 PRIOR FILING DATE: 1998-06-05
38 PRIOR APPLICATION NUMBER: 60/088217
39 PRIOR FILING DATE: 1998-06-05
40 PRIOR APPLICATION NUMBER: 60/088655
41 PRIOR FILING DATE: 1998-06-09
42 PRIOR APPLICATION NUMBER: 60/088734
43 PRIOR FILING DATE: 1998-06-10
44 PRIOR APPLICATION NUMBER: 60/088738
45 PRIOR FILING DATE: 1998-06-10
46 PRIOR APPLICATION NUMBER: 60/088742
47 PRIOR FILING DATE: 1998-06-10
48 PRIOR APPLICATION NUMBER: 60/088810
49 PRIOR FILING DATE: 1998-06-10
50 PRIOR APPLICATION NUMBER: 60/088824
51 PRIOR FILING DATE: 1998-06-10
52 PRIOR APPLICATION NUMBER: 60/088826
53 PRIOR FILING DATE: 1998-06-10
54 PRIOR APPLICATION NUMBER: 60/088858
55 PRIOR FILING DATE: 1998-06-11
56 PRIOR APPLICATION NUMBER: 60/088861
57 PRIOR FILING DATE: 1998-06-11
58 PRIOR APPLICATION NUMBER: 60/088876
59 PRIOR FILING DATE: 1998-06-11
60 PRIOR APPLICATION NUMBER: 60/089105
61 PRIOR FILING DATE: 1998-06-12
62 PRIOR APPLICATION NUMBER: 60/089440
63 PRIOR FILING DATE: 1998-06-16
64 PRIOR APPLICATION NUMBER: 60/089512
65 PRIOR FILING DATE: 1998-06-16
66 PRIOR APPLICATION NUMBER: 60/089514
67 PRIOR FILING DATE: 1998-06-16
68 PRIOR APPLICATION NUMBER: 60/089532
69 PRIOR FILING DATE: 1998-06-17
70 PRIOR APPLICATION NUMBER: 60/089538
71 PRIOR FILING DATE: 1998-06-17
72 PRIOR APPLICATION NUMBER: 60/089598
73 PRIOR FILING DATE: 1998-06-17

1 PRIOR APPLICATION NUMBER: 60/089599
2 PRIOR FILING DATE: 1998-06-17
3 PRIOR APPLICATION NUMBER: 60/089600
4 PRIOR FILING DATE: 1998-06-17
5 PRIOR APPLICATION NUMBER: 60/089653
6 PRIOR FILING DATE: 1998-06-17
7 PRIOR APPLICATION NUMBER: 60/089801
8 PRIOR FILING DATE: 1998-06-18
9 PRIOR APPLICATION NUMBER: 60/089907
10 PRIOR FILING DATE: 1998-06-18
11 PRIOR APPLICATION NUMBER: 60/089908
12 PRIOR FILING DATE: 1998-06-18
13 PRIOR APPLICATION NUMBER: 60/089947
14 PRIOR FILING DATE: 1998-06-19
15 PRIOR APPLICATION NUMBER: 60/089948
16 PRIOR FILING DATE: 1998-06-19
17 PRIOR APPLICATION NUMBER: 60/089952
18 PRIOR FILING DATE: 1998-06-19
19 PRIOR APPLICATION NUMBER: 60/090246
20 PRIOR FILING DATE: 1998-06-22
21 PRIOR APPLICATION NUMBER: 60/090252
22 PRIOR FILING DATE: 1998-06-22
23 PRIOR APPLICATION NUMBER: 60/090254
24 PRIOR FILING DATE: 1998-06-22
25 PRIOR APPLICATION NUMBER: 60/090349
26 PRIOR FILING DATE: 1998-06-23
27 PRIOR APPLICATION NUMBER: 60/090355
28 PRIOR FILING DATE: 1998-06-23
29 PRIOR APPLICATION NUMBER: 60/090429
30 PRIOR FILING DATE: 1998-06-24
31 PRIOR APPLICATION NUMBER: 60/090431
32 PRIOR FILING DATE: 1998-06-24
33 PRIOR APPLICATION NUMBER: 60/090435
34 PRIOR FILING DATE: 1998-06-24
35 PRIOR APPLICATION NUMBER: 60/090444
36 PRIOR FILING DATE: 1998-06-24
37 PRIOR APPLICATION NUMBER: 60/090445
38 PRIOR FILING DATE: 1998-06-24
39 PRIOR APPLICATION NUMBER: 60/090472
40 PRIOR FILING DATE: 1998-06-24
41 PRIOR APPLICATION NUMBER: 60/090535
42 PRIOR FILING DATE: 1998-06-24
43 PRIOR APPLICATION NUMBER: 60/090540
44 PRIOR FILING DATE: 1998-06-24
45 PRIOR APPLICATION NUMBER: 60/090542
46 PRIOR FILING DATE: 1998-06-24
47 PRIOR APPLICATION NUMBER: 60/090557
48 PRIOR FILING DATE: 1998-06-24
49 PRIOR APPLICATION NUMBER: 60/090676
50 PRIOR FILING DATE: 1998-06-25
51 PRIOR APPLICATION NUMBER: 60/090678
52 PRIOR FILING DATE: 1998-06-25
53 PRIOR APPLICATION NUMBER: 60/090690
54 PRIOR FILING DATE: 1998-06-25
55 PRIOR APPLICATION NUMBER: 60/090694
56 PRIOR FILING DATE: 1998-06-25
57 PRIOR APPLICATION NUMBER: 60/090695
58 PRIOR FILING DATE: 1998-06-25
59 PRIOR APPLICATION NUMBER: 60/090696
60 PRIOR FILING DATE: 1998-06-25
61 PRIOR APPLICATION NUMBER: 60/090862
62 PRIOR FILING DATE: 1998-06-26
63 PRIOR APPLICATION NUMBER: 60/090863
64 PRIOR FILING DATE: 1998-06-26
65 PRIOR APPLICATION NUMBER: 60/091360
66 PRIOR FILING DATE: 1998-07-01
67 PRIOR APPLICATION NUMBER: 60/091478
68 PRIOR FILING DATE: 1998-07-02
69 PRIOR APPLICATION NUMBER: 60/091544
70 PRIOR FILING DATE: 1998-07-01
71 PRIOR APPLICATION NUMBER: 60/091519
72 PRIOR FILING DATE: 1998-07-02
73 PRIOR APPLICATION NUMBER: 60/091626

```
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091633
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091978
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/091982
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/092182
/ PRIOR FILING DATE: 1998-07-09

Query Match
Best Local Similarity 14.2% Score 78: DB 9: Length 570;
Matches 78: Conservative 0: Mismatches 0: Indels 0: Gaps 0:

QY 474 GCGAGACCGGTTATAGAGCCTGCTGCTGCGCGGAGCGCGAGTTCCCGCGC 533
Db 1 GCGAGACCGGTTATAGAGCCTGCTGCTGCGCGGAGCGCGAGTTCCCGCGC 60
QY 534 GCGCGAGCGCGCGCGC 551
Db 61 GCGCGAGCGCGCGCGC 78

RESULT 9
US-09-989-727-407
/ Sequence 407: Application US/09989727
/ Patent No. US20020072497A1
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Bolstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Grimaldi, Paul J.
/ APPLICANT: Guiney, Austin L.
/ APPLICANT: Kijavlin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tamas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ TITLE OF INVENTION: Acids Encoding the Same
/ FILE REFERENCE: P2730Pic65
/ CURRENT FILING DATE: 2001-11-19
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/065186
/ PRIOR FILING DATE: 1997-11-12
/ PRIOR APPLICATION NUMBER: 60/065311
/ PRIOR FILING DATE: 1997-11-13
/ PRIOR APPLICATION NUMBER: 60/066770
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/075945
/ PRIOR FILING DATE: 1998-02-25
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/083322
/ PRIOR FILING DATE: 1998-04-28

/ PRIOR APPLICATION NUMBER: 60/084600
/ PRIOR FILING DATE: 1998-05-07
/ PRIOR APPLICATION NUMBER: 60/087106
/ PRIOR FILING DATE: 1998-05-28
/ PRIOR APPLICATION NUMBER: 60/087607
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087609
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087759
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087827
/ PRIOR FILING DATE: 1998-06-03
/ PRIOR APPLICATION NUMBER: 60/088021
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088025
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088026
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088028
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088029
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088030
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088033
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088326
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088167
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088202
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088212
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088217
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088655
/ PRIOR FILING DATE: 1998-06-09
/ PRIOR APPLICATION NUMBER: 60/088734
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088738
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088742
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088810
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088824
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088826
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088858
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/088861
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/088876
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/089105
/ PRIOR FILING DATE: 1998-06-12
/ PRIOR APPLICATION NUMBER: 60/089440
/ PRIOR FILING DATE: 1998-06-16
/ PRIOR APPLICATION NUMBER: 60/089512
/ PRIOR FILING DATE: 1998-06-16
/ PRIOR APPLICATION NUMBER: 60/089514
/ PRIOR FILING DATE: 1998-06-16
/ PRIOR APPLICATION NUMBER: 60/089532
/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: 60/089538
/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: 60/089598
/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: 60/089599
/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: 60/089600
```

PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09
Query Match 14.2%; Score 78; DB 9; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08; Mismatches 0; Indels 0; Gaps 0;
Matches 78; Conservative 0
Qy 474 GCGAGACCGCGGTATTAAGCTGCGCTGCCGCGACCGCAGGTTCCCGCC 533
Db 1 GCGAGACCGCGGTATTAAGAGCTGTGCTGCCGCGACCGCAGGTTCCCGCC 60
Qy 534 GCGCGAGCGCCCGCGCC 551
Db 61 GCGCGAGCGCCCGCGCC 78
RESULT 10
US-09-989-731-407
Sequence 407, Application US/09989731
Patent No. US20020103125A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC70
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: US/09/989,731
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106


```

; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09
Query Match      14.2% Score 78; DB 10; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      474 GCGAGGACCGCGGTATAGAGAGCTGCTGCGCTTGGCCGGGCGAGCCGCGAGTTCCCGCGC 533
          |||
DB      1 GCGAGGACCGCGGTATAGAGAGCTGCTGCGCTTGGCCGGGCGAGCCGCGAGTTCCCGCGC 60

OY      534 GCGCGGAGCCCGCGCGC 551
          |||
DB      61 GCGCGGAGCCCGCGCGC 78

RESULT 11
US-09-989-732-407
; Sequence 407 Application US/09989732
; GENERAL INFORMATION
; APPLICANT: ASHKEHAZI, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Boutein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC57
; CURRENT APPLICATION NUMBER: US/09/989,732
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02

```

```

; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907

```

PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090650
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090654
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090655
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090656
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091962
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 14.2%; Score 78; DB 10; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 474 GCGAGAGCCGGGATATAGAGCCCTGCGCCGCGGACCGAGGTTCCCGCGC 533
|||||
Db 1 GCGAGAGCCGGGATATAGAGCCCTGCGCCGCGGACCGAGGTTCCCGCGC 60
Oy 534 GCGCCGAGCCCGCGCGCC 551
|||||
Db 61 GCGCCGAGCCCGCGCGCC 78
RESULT 12
US-09-991-073-407
Sequence 407, Application US/09991073
Patent No. US20020127576A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bolstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: F2730PIC15
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: US/09/991,073
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759


```

PRIORITY APPLICATION NUMBER: 60/089947
PRIORITY FILING DATE: 1998-06-19
PRIORITY APPLICATION NUMBER: 60/089948
PRIORITY FILING DATE: 1998-06-19
PRIORITY APPLICATION NUMBER: 60/089952
PRIORITY FILING DATE: 1998-06-19
PRIORITY APPLICATION NUMBER: 60/090246
PRIORITY FILING DATE: 1998-06-22
PRIORITY APPLICATION NUMBER: 60/090252
PRIORITY FILING DATE: 1998-06-22
PRIORITY APPLICATION NUMBER: 60/090254
PRIORITY FILING DATE: 1998-06-22
PRIORITY APPLICATION NUMBER: 60/090349
PRIORITY FILING DATE: 1998-06-23
PRIORITY APPLICATION NUMBER: 60/090355
PRIORITY FILING DATE: 1998-06-23
PRIORITY APPLICATION NUMBER: 60/090429
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090431
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090435
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090444
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090445
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090472
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090535
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090540
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090542
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090557
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090676
PRIORITY FILING DATE: 1998-06-25
PRIORITY APPLICATION NUMBER: 60/090678
PRIORITY FILING DATE: 1998-06-25
PRIORITY APPLICATION NUMBER: 60/090690
PRIORITY FILING DATE: 1998-06-25
PRIORITY APPLICATION NUMBER: 60/090694
PRIORITY FILING DATE: 1998-06-25
PRIORITY APPLICATION NUMBER: 60/090695
PRIORITY FILING DATE: 1998-06-25
PRIORITY APPLICATION NUMBER: 60/090696
PRIORITY FILING DATE: 1998-06-25
PRIORITY APPLICATION NUMBER: 60/090862
PRIORITY FILING DATE: 1998-06-26
PRIORITY APPLICATION NUMBER: 60/090863
PRIORITY FILING DATE: 1998-06-26
PRIORITY APPLICATION NUMBER: 60/091360
PRIORITY FILING DATE: 1998-07-01
PRIORITY APPLICATION NUMBER: 60/091478
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091544
PRIORITY FILING DATE: 1998-07-01
PRIORITY APPLICATION NUMBER: 60/091519
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091626
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091633
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091978
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/091982
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/092182
PRIORITY FILING DATE: 1998-07-09

```

```
Matches 78: Conservative 0: Mismatches 0: Indels 0: Gaps 0:
QY 474 GCGAGACCGGGTATTAAGAACCTGTGGCCCTTGGCCGGGACCGCCAGCTTCCCGCCG 533
Db 1 GCGAGACCGGGTATTAAGAACCTGTGGCCCTTGGCCGGGACCGCCAGCTTCCCGCCG 60
QY 534 GCCCGGAGCCCCGGCGCC 551
Db 61 GCCCGGAGCCCCGGCGCC 78

RESULT 13
US-09-990-442-407
; Sequence 407, Application US/09990442
; Patent No. US20020132252A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Geider, Hanspeter
; APPLICANT: Gerlisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paonli, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P18
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US/09/990,442
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03

; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
```

Prior Filing Date: 1998-06-19
Prior Application Number: 60/089952
Prior Filing Date: 1998-06-19
Prior Application Number: 60/090246
Prior Filing Date: 1998-06-22
Prior Application Number: 60/090252
Prior Filing Date: 1998-06-22
Prior Application Number: 60/090254
Prior Filing Date: 1998-06-22
Prior Application Number: 60/090349
Prior Filing Date: 1998-06-23
Prior Application Number: 60/090355
Prior Filing Date: 1998-06-23
Prior Application Number: 60/090429
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090431
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090435
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090444
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090445
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090472
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090535
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090540
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090542
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090557
Prior Filing Date: 1998-06-24
Prior Application Number: 60/090676
Prior Filing Date: 1998-06-25
Prior Application Number: 60/090678
Prior Filing Date: 1998-06-25
Prior Application Number: 60/090690
Prior Filing Date: 1998-06-25
Prior Application Number: 60/090694
Prior Filing Date: 1998-06-25
Prior Application Number: 60/090695
Prior Filing Date: 1998-06-25
Prior Application Number: 60/090696
Prior Filing Date: 1998-06-25
Prior Application Number: 60/090862
Prior Filing Date: 1998-06-26
Prior Application Number: 60/090863
Prior Filing Date: 1998-06-26
Prior Application Number: 60/091360
Prior Filing Date: 1998-07-01
Prior Application Number: 60/091478
Prior Filing Date: 1998-07-02
Prior Application Number: 60/091544
Prior Filing Date: 1998-07-01
Prior Application Number: 60/091519
Prior Filing Date: 1998-07-02
Prior Application Number: 60/091626
Prior Filing Date: 1998-07-02
Prior Application Number: 60/091633
Prior Filing Date: 1998-07-02
Prior Application Number: 60/09178
Prior Filing Date: 1998-07-07
Prior Application Number: 60/09182
Prior Filing Date: 1998-07-07
Prior Application Number: 60/092182
Prior Filing Date: 1998-07-09

Query Match 14.2% Score 78: DB 10: Length 570:
Best Local Similarity 100.0% Pred. No. 1.9e-08:
Matches 78: Conservative 0: Mismatches 0: Indels 0: Gaps 0:

474 GCGAGGACCGGATTAAGAGCTCTGCGCTTGGCCCGGCGAGCGAGGTCCCGCGC 533

Db 1 GCGAGGACCGGATTAAGAGCTCTGCGCTTGGCCCGGCGAGCGAGGTCCCGCGC 60
Gy 534 GCGGAGCGCGCGCGCGCGC 551
Db 61 GCGCGAGCGCGCGCGCGC 78

RESULT 14
US-09-991-163-407
Sequence 407, Application US/09991163
Patent No. US20020132253A1
GENERAL INFORMATION:
Applicant: Ashkenazi, Avi J.
Applicant: Baker, Kevin P.
Applicant: Botstein, David
Applicant: Desnoyers, Luc
Applicant: Eaton, Dan L.
Applicant: Ferrara, Napoleone
Applicant: Fong, Sherman
Applicant: Gerber, Hanspeter
Applicant: Gertlisen, Mary E.
Applicant: Goddard, Audrey
Applicant: Grimaldi, J. Christopher
Applicant: Gurney, Austin L.
Applicant: Kljavin, Ivar J.
Applicant: Napier, Mary A.
Applicant: Paul, James
Applicant: Paoni, Nicholas F.
Applicant: Roy, Margaret Ann
Applicant: Stewart, Timothy A.
Applicant: Tumas, Daniel
Applicant: Watanabe, Colin K.
Applicant: Williams, P. Mickey
Applicant: Wood, William I.
Applicant: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: F2730P121
FILE REFERENCE: F2730P121
CURRENT APPLICATION NUMBER: US/09/991,163
Prior Filing Date: 2001-11-14
Prior Application Number: 60/049787
Prior Filing Date: 1997-06-16
Prior Application Number: 60/062250
Prior Filing Date: 1997-10-17
Prior Application Number: 60/065186
Prior Filing Date: 1997-11-12
Prior Application Number: 60/065311
Prior Filing Date: 1997-11-13
Prior Application Number: 60/066770
Prior Filing Date: 1997-11-24
Prior Application Number: 60/075945
Prior Filing Date: 1998-02-25
Prior Application Number: 60/078910
Prior Filing Date: 1998-03-20
Prior Application Number: 60/083322
Prior Filing Date: 1998-04-28
Prior Application Number: 60/084600
Prior Filing Date: 1998-05-07
Prior Application Number: 60/087106
Prior Filing Date: 1998-05-28
Prior Application Number: 60/087607
Prior Filing Date: 1998-06-02
Prior Application Number: 60/087609
Prior Filing Date: 1998-06-02
Prior Application Number: 60/087759
Prior Filing Date: 1998-06-02
Prior Application Number: 60/087827
Prior Filing Date: 1998-06-03
Prior Application Number: 60/088021
Prior Filing Date: 1998-06-04
Prior Application Number: 60/088025

? PRIOR FILING DATE: 1998-06-04
 ? PRIOR APPLICATION NUMBER: 60/088026
 ? PRIOR FILING DATE: 1998-06-04
 ? PRIOR APPLICATION NUMBER: 60/088028
 ? PRIOR FILING DATE: 1998-06-04
 ? PRIOR APPLICATION NUMBER: 60/088029
 ? PRIOR FILING DATE: 1998-06-04
 ? PRIOR APPLICATION NUMBER: 60/088030
 ? PRIOR FILING DATE: 1998-06-04
 ? PRIOR APPLICATION NUMBER: 60/088033
 ? PRIOR FILING DATE: 1998-06-04
 ? PRIOR APPLICATION NUMBER: 60/088126
 ? PRIOR FILING DATE: 1998-06-04
 ? PRIOR APPLICATION NUMBER: 60/088167
 ? PRIOR FILING DATE: 1998-06-05
 ? PRIOR APPLICATION NUMBER: 60/088202
 ? PRIOR FILING DATE: 1998-06-05
 ? PRIOR APPLICATION NUMBER: 60/088212
 ? PRIOR FILING DATE: 1998-06-05
 ? PRIOR APPLICATION NUMBER: 60/088217
 ? PRIOR FILING DATE: 1998-06-05
 ? PRIOR APPLICATION NUMBER: 60/088655
 ? PRIOR FILING DATE: 1998-06-09
 ? PRIOR APPLICATION NUMBER: 60/088734
 ? PRIOR FILING DATE: 1998-06-10
 ? PRIOR APPLICATION NUMBER: 60/088738
 ? PRIOR FILING DATE: 1998-06-10
 ? PRIOR APPLICATION NUMBER: 60/088742
 ? PRIOR FILING DATE: 1998-06-10
 ? PRIOR APPLICATION NUMBER: 60/088810
 ? PRIOR FILING DATE: 1998-06-10
 ? PRIOR APPLICATION NUMBER: 60/088824
 ? PRIOR FILING DATE: 1998-06-10
 ? PRIOR APPLICATION NUMBER: 60/088826
 ? PRIOR FILING DATE: 1998-06-10
 ? PRIOR APPLICATION NUMBER: 60/088858
 ? PRIOR FILING DATE: 1998-06-11
 ? PRIOR APPLICATION NUMBER: 60/088861
 ? PRIOR FILING DATE: 1998-06-11
 ? PRIOR APPLICATION NUMBER: 60/088876
 ? PRIOR FILING DATE: 1998-06-11
 ? PRIOR APPLICATION NUMBER: 60/089105
 ? PRIOR FILING DATE: 1998-06-12
 ? PRIOR APPLICATION NUMBER: 60/089440
 ? PRIOR FILING DATE: 1998-06-16
 ? PRIOR APPLICATION NUMBER: 60/089512
 ? PRIOR FILING DATE: 1998-06-16
 ? PRIOR APPLICATION NUMBER: 60/089514
 ? PRIOR FILING DATE: 1998-06-16
 ? PRIOR APPLICATION NUMBER: 60/089532
 ? PRIOR FILING DATE: 1998-06-17
 ? PRIOR APPLICATION NUMBER: 60/089538
 ? PRIOR FILING DATE: 1998-06-17
 ? PRIOR APPLICATION NUMBER: 60/089598
 ? PRIOR FILING DATE: 1998-06-17
 ? PRIOR APPLICATION NUMBER: 60/089599
 ? PRIOR FILING DATE: 1998-06-17
 ? PRIOR APPLICATION NUMBER: 60/089600
 ? PRIOR FILING DATE: 1998-06-17
 ? PRIOR APPLICATION NUMBER: 60/089653
 ? PRIOR FILING DATE: 1998-06-17
 ? PRIOR APPLICATION NUMBER: 60/089801
 ? PRIOR FILING DATE: 1998-06-18
 ? PRIOR APPLICATION NUMBER: 60/089907
 ? PRIOR FILING DATE: 1998-06-18
 ? PRIOR APPLICATION NUMBER: 60/089908
 ? PRIOR FILING DATE: 1998-06-18
 ? PRIOR APPLICATION NUMBER: 60/089947
 ? PRIOR FILING DATE: 1998-06-19
 ? PRIOR APPLICATION NUMBER: 60/089948
 ? PRIOR FILING DATE: 1998-06-19
 ? PRIOR APPLICATION NUMBER: 60/089952
 ? PRIOR FILING DATE: 1998-06-19

? PRIOR APPLICATION NUMBER: 60/090246
 ? PRIOR FILING DATE: 1998-06-22
 ? PRIOR APPLICATION NUMBER: 60/090252
 ? PRIOR FILING DATE: 1998-06-22
 ? PRIOR APPLICATION NUMBER: 60/090254
 ? PRIOR FILING DATE: 1998-06-22
 ? PRIOR APPLICATION NUMBER: 60/090349
 ? PRIOR FILING DATE: 1998-06-23
 ? PRIOR APPLICATION NUMBER: 60/090355
 ? PRIOR FILING DATE: 1998-06-23
 ? PRIOR APPLICATION NUMBER: 60/090429
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090431
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090435
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090444
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090445
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090472
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090535
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090540
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090542
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090557
 ? PRIOR FILING DATE: 1998-06-24
 ? PRIOR APPLICATION NUMBER: 60/090676
 ? PRIOR FILING DATE: 1998-06-25
 ? PRIOR APPLICATION NUMBER: 60/090678
 ? PRIOR FILING DATE: 1998-06-25
 ? PRIOR APPLICATION NUMBER: 60/090690
 ? PRIOR FILING DATE: 1998-06-25
 ? PRIOR APPLICATION NUMBER: 60/090694
 ? PRIOR FILING DATE: 1998-06-25
 ? PRIOR APPLICATION NUMBER: 60/090695
 ? PRIOR FILING DATE: 1998-06-25
 ? PRIOR APPLICATION NUMBER: 60/090696
 ? PRIOR FILING DATE: 1998-06-25
 ? PRIOR APPLICATION NUMBER: 60/090862
 ? PRIOR FILING DATE: 1998-06-26
 ? PRIOR APPLICATION NUMBER: 60/090863
 ? PRIOR FILING DATE: 1998-06-26
 ? PRIOR APPLICATION NUMBER: 60/091360
 ? PRIOR FILING DATE: 1998-07-01
 ? PRIOR APPLICATION NUMBER: 60/091478
 ? PRIOR FILING DATE: 1998-07-02
 ? PRIOR APPLICATION NUMBER: 60/091544
 ? PRIOR FILING DATE: 1998-07-02
 ? PRIOR APPLICATION NUMBER: 60/091519
 ? PRIOR FILING DATE: 1998-07-02
 ? PRIOR APPLICATION NUMBER: 60/091626
 ? PRIOR FILING DATE: 1998-07-02
 ? PRIOR APPLICATION NUMBER: 60/091633
 ? PRIOR FILING DATE: 1998-07-02
 ? PRIOR APPLICATION NUMBER: 60/091978
 ? PRIOR FILING DATE: 1998-07-07
 ? PRIOR APPLICATION NUMBER: 60/091982
 ? PRIOR FILING DATE: 1998-07-07
 ? PRIOR APPLICATION NUMBER: 60/092182
 ? PRIOR FILING DATE: 1998-07-09

Query Match 14.2%; Score 78; DB 10; Length 570;
 Best Local Similarity 100.0%; Pred. No. 1.9e-08;
 Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCAGAGACCGCGGTATAGAAAGCTGTGCGCTTCCGCGGAGCGGAGGTCCCGCGC 533
 DB 1 GCGAGACCGCGGTATAGAAAGCTGTGCGCTTCCGCGGAGCGGAGGTCCCGCGC 60

QY 534 GCGCCGAGCCCGCCGCC 551
 |||||||
 DB 61 GCGCCGAGCCCGCCGCC 78

RESULT 15
 US-09-993-604-407
 / Sequence 407, Application US/09993604
 / Patent No. US200137075A1
 / GENERAL INFORMATION:
 / APPLICANT: Ashkenazi, Avi J.
 / APPLICANT: Baker, Kevin P.
 / APPLICANT: Bostein, David
 / APPLICANT: Desnoyers, Luc
 / APPLICANT: Eaton, Dan L.
 / APPLICANT: Ferrara, Napoleone
 / APPLICANT: Fong, Sherman
 / APPLICANT: Gerber, Hanspeter
 / APPLICANT: Gertsen, Mary E.
 / APPLICANT: Goddard, Audrey
 / APPLICANT: Godowski, Paul J.
 / APPLICANT: Grimaldi, J. Christopher
 / APPLICANT: Gurney, Austin L.
 / APPLICANT: Kijavlin, Ivar J.
 / APPLICANT: Napier, Mary A.
 / APPLICANT: Pan, James
 / APPLICANT: Paoni, Nicholas F.
 / APPLICANT: Roy, Margaret Ann
 / APPLICANT: Stewart, Timothy A.
 / APPLICANT: Tumas, Daniel
 / APPLICANT: Watanabe, Colin K.
 / APPLICANT: Williams, P. Mickey
 / APPLICANT: Wood, William I.
 / APPLICANT: Zhang, Zemin
 / TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 / TIME OF INVENTION: Acids Encoding the Same
 / PUBLICATION: P27301C25
 / CURRENT APPLICATION NUMBER: US/09/993,604
 / CURRENT FILING DATE: 2001-11-14
 / PRIOR APPLICATION NUMBER: 60/049787
 / PRIOR FILING DATE: 1997-06-16
 / PRIOR APPLICATION NUMBER: 60/062250
 / PRIOR FILING DATE: 1997-10-17
 / PRIOR APPLICATION NUMBER: 60/065186
 / PRIOR FILING DATE: 1997-11-12
 / PRIOR APPLICATION NUMBER: 60/065311
 / PRIOR FILING DATE: 1997-11-13
 / PRIOR APPLICATION NUMBER: 60/066770
 / PRIOR FILING DATE: 1997-11-24
 / PRIOR APPLICATION NUMBER: 60/075945
 / PRIOR FILING DATE: 1998-02-25
 / PRIOR APPLICATION NUMBER: 60/078910
 / PRIOR FILING DATE: 1998-03-20
 / PRIOR APPLICATION NUMBER: 60/083322
 / PRIOR FILING DATE: 1998-04-28
 / PRIOR APPLICATION NUMBER: 60/084600
 / PRIOR FILING DATE: 1998-05-07
 / PRIOR APPLICATION NUMBER: 60/087106
 / PRIOR FILING DATE: 1998-05-28
 / PRIOR APPLICATION NUMBER: 60/087607
 / PRIOR FILING DATE: 1998-06-02
 / PRIOR APPLICATION NUMBER: 60/087609
 / PRIOR FILING DATE: 1998-06-02
 / PRIOR APPLICATION NUMBER: 60/087759
 / PRIOR FILING DATE: 1998-06-02
 / PRIOR APPLICATION NUMBER: 60/087827
 / PRIOR FILING DATE: 1998-06-03
 / PRIOR APPLICATION NUMBER: 60/088021
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088025
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088026
 / PRIOR FILING DATE: 1998-06-04

/? PRIOR APPLICATION NUMBER: 60/088028
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088029
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088030
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088033
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088326
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088167
 / PRIOR FILING DATE: 1998-06-05
 / PRIOR APPLICATION NUMBER: 60/088202
 / PRIOR FILING DATE: 1998-06-05
 / PRIOR APPLICATION NUMBER: 60/088212
 / PRIOR FILING DATE: 1998-06-05
 / PRIOR APPLICATION NUMBER: 60/088217
 / PRIOR FILING DATE: 1998-06-05
 / PRIOR APPLICATION NUMBER: 60/088555
 / PRIOR FILING DATE: 1998-06-09
 / PRIOR APPLICATION NUMBER: 60/088734
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088738
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088742
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088810
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088824
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088826
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088858
 / PRIOR FILING DATE: 1998-06-11
 / PRIOR APPLICATION NUMBER: 60/088861
 / PRIOR FILING DATE: 1998-06-11
 / PRIOR APPLICATION NUMBER: 60/088876
 / PRIOR FILING DATE: 1998-06-11
 / PRIOR APPLICATION NUMBER: 60/089105
 / PRIOR FILING DATE: 1998-06-12
 / PRIOR APPLICATION NUMBER: 60/089440
 / PRIOR FILING DATE: 1998-06-16
 / PRIOR APPLICATION NUMBER: 60/089512
 / PRIOR FILING DATE: 1998-06-16
 / PRIOR APPLICATION NUMBER: 60/089514
 / PRIOR FILING DATE: 1998-06-16
 / PRIOR APPLICATION NUMBER: 60/089532
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089538
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089598
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089599
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089600
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089653
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089801
 / PRIOR FILING DATE: 1998-06-18
 / PRIOR APPLICATION NUMBER: 60/089907
 / PRIOR FILING DATE: 1998-06-18
 / PRIOR APPLICATION NUMBER: 60/089908
 / PRIOR FILING DATE: 1998-06-18
 / PRIOR APPLICATION NUMBER: 60/089947
 / PRIOR FILING DATE: 1998-06-19
 / PRIOR APPLICATION NUMBER: 60/089948
 / PRIOR FILING DATE: 1998-06-19
 / PRIOR APPLICATION NUMBER: 60/089952
 / PRIOR FILING DATE: 1998-06-19
 / PRIOR APPLICATION NUMBER: 60/090246
 / PRIOR FILING DATE: 1998-06-22
 / PRIOR APPLICATION NUMBER: 60/090252

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.rnpb

Page 18

Search completed: September 20, 2003, 03:21:37
Job time : 220.634 secs

```
? PRIOR FILING DATE: 1998-06-22
? PRIOR APPLICATION NUMBER: 60/090254
? PRIOR FILING DATE: 1998-06-22
? PRIOR APPLICATION NUMBER: 60/090349
? PRIOR FILING DATE: 1998-06-23
? PRIOR APPLICATION NUMBER: 60/090355
? PRIOR FILING DATE: 1998-06-23
? PRIOR APPLICATION NUMBER: 60/090429
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090431
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090435
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090444
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090445
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090472
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090535
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090540
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090542
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090557
? PRIOR FILING DATE: 1998-06-24
? PRIOR APPLICATION NUMBER: 60/090676
? PRIOR FILING DATE: 1998-06-25
? PRIOR APPLICATION NUMBER: 60/090678
? PRIOR FILING DATE: 1998-06-25
? PRIOR APPLICATION NUMBER: 60/090690
? PRIOR FILING DATE: 1998-06-25
? PRIOR APPLICATION NUMBER: 60/090694
? PRIOR FILING DATE: 1998-06-25
? PRIOR APPLICATION NUMBER: 60/090695
? PRIOR FILING DATE: 1998-06-25
? PRIOR APPLICATION NUMBER: 60/090696
? PRIOR FILING DATE: 1998-06-25
? PRIOR APPLICATION NUMBER: 60/090862
? PRIOR FILING DATE: 1998-06-26
? PRIOR APPLICATION NUMBER: 60/090863
? PRIOR FILING DATE: 1998-06-26
? PRIOR APPLICATION NUMBER: 60/091360
? PRIOR FILING DATE: 1998-07-01
? PRIOR APPLICATION NUMBER: 60/091478
? PRIOR FILING DATE: 1998-07-02
? PRIOR APPLICATION NUMBER: 60/091544
? PRIOR FILING DATE: 1998-07-01
? PRIOR APPLICATION NUMBER: 60/091519
? PRIOR FILING DATE: 1998-07-02
? PRIOR APPLICATION NUMBER: 60/091626
? PRIOR FILING DATE: 1998-07-02
? PRIOR APPLICATION NUMBER: 60/091633
? PRIOR FILING DATE: 1998-07-02
? PRIOR APPLICATION NUMBER: 60/091978
? PRIOR FILING DATE: 1998-07-07
? PRIOR APPLICATION NUMBER: 60/091982
? PRIOR FILING DATE: 1998-07-07
? PRIOR APPLICATION NUMBER: 60/092182
? PRIOR FILING DATE: 1998-07-09
```

Query Match 14.2%; Score 78; DB 10; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 474 GCGAGACCGGCTATAGAGAGCTGTGGCTTGCCTGCGGCGAGCGAGGTTCCCGCGC 533
DB 1 GCGAGACCGGCTATAGAGAGCTGTGGCTTGCCTGCGGCGAGCGAGGTTCCCGCGC 60
OY 534 GCGCGAGCCCGCGCGC 551
DB 61 GCGCGAGCCCGCGCGC 78
```



```
XX Billing-medel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;
PI Graenades EN, Hodges SC, Klass MR, Kratochvill JD, Robertsrapp L;
PI Russell JC, Stroepe SD;
XX WPI: 1998-437479/37.
DR P-PSDB: AAW75868.
XX
PT New nucleic acid for the lung disease marker LU105 - polypeptides,
PT antibodies and genes, used for diagnosis, prevention, treatment of
PT lung disease, specifically cancer
XX
PS Claim 11: Fig 1: 123pp: English.
XX
CC Sequences shown in AAV54616 to AAV54621 represent LU105 specific
CC polynucleotide sequences. These are used in the method of the invention
CC for detecting target LU105 nucleic acid. The method comprises treating a
CC sample with at least one LU105 specific nucleic acid, or its complement
CC which is at least 50 percent identical with the LU105 specific nucleic
CC acid sequences (AAV54616 to AAV54621). LU105 is a lung disease marker.
CC Cells transformed with a recombinant expression system that contains
CC LU105 specific nucleic acid fragments, are used to express recombinant
CC LU105 polypeptides which are used to raise antibodies. The antibodies are
CC used to detect the LU105 antigen, and correspondingly this antigen is
CC used to detect specific antibodies, in usual immunoassays. The LU105
CC polypeptides and nucleic acid sequences are used for diagnosis, staging,
CC monitoring, prognosis, prevention, treatment and determination of
CC susceptibility to, lung disease, specifically cancer. The LU105
CC polypeptides are also used to screen for specific binding agents, useful
CC therapeutically. LU105 is a marker for lung disease (present at high
CC concentration, in altered form or in an unusual body compartment). LU105
CC can be detected in blood, plasma or serum in an inexpensive, non-invasive
CC test.
CC (Updated on 25-MAR-2003 to correct PI field.)
XX
SQ Sequence 519 BP; 78 A; 190 C; 170 G; 81 T; 0 other;
XX
Query Match 99.0%; score 308.8; DB 19; Length 519;
Best Local Similarity 99.4%; Pred. No. 4.5e-53;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 ATGAAGCTGCGCCGCTCTGCGGCTGCGTGGCGCTGCGCCGCGACGCTCCGCTCGCT 60
DB 79 ATGAAGCTGCGCCGCTCTGCGGCTGCGTGGCGCTGCGCCGCTGCGCTCGCTCGCT 138
QY 61 TTCTTAGTGGGCTGCGGCGCAACGCTGCGCCGCGACGCTGCGCTGCGCTGGAAGTGGCGG 120
DB 139 TTCTTAGTGGGCTGCGGCGCAACGCTGCGCCGCGACGCTGCGCTGCGCTGGAAGTGGCGG 198
QY 121 GAGGCCGGGGCGCGGACCTGCGCAACCCCTGCGGACCGCTGCAACCGCGTGAAGTCTCTG 180
DB 199 GAGGCCGGGGCGCGGACCTGCGCAACCCCTGCGGACCGCTGCAACCGCGTGAAGTCTCTG 258
QY 181 CTGACACGCTGGGGCATCCCGGTGAACACCTGATATAGAGGGCTCCGAGAAGTGTGGCT 240
DB 259 CTGACACGCTGGGGCATCCCGGTGAACACCTGATATAGAGGGCTCCGAGAAGTGTGGCT 318
QY 241 GAGCTGGGTCCCGAGGCGCGTGGGGCGCGTGAAGGCGCTGGAAGGCGCTGCTGGGGCGCTG 300
DB 319 GAGCTGGGTCCCGAGGCGCGTGGGGCGCGTGAAGGCGCTGGAAGGCGCTGCTGGGGCGCTG 378
QY 301 ACAAGTGTGGC 312
DB 379 ACAAGTGTGGC 390
```

RESULT 2
AA298173
ID AA298173 standard: cDNA: 543 BP.

AC AA298173;
XX
DT 11-MAY-2000 (first entry)

```
XX Human signal peptide containing protein HSP-65 cDNA SEQ ID NO:199.
DE
XX Human; signal peptide-containing protein; HSP; diagnosis; cancer;
KW inflammation; cardiovascular disease; anticancer; anti-inflammato;
KW antimicrobial; neuroprotective; cardiovascular; hepatotoxic;
KW antidiabetic; gene therapy; cell proliferation; neurological disorder;
KW reproductive disorder; developmental disorder; arteriosclerosis;
KW cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
KW asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
KW Parkinson's disease; Huntington's disease; ovulatory defect;
KW muscular dystrophy; ss.
XX
OS Homo sapiens.
XX
XX WO200000610-A2.
XX
PD 06-JAN-2000.
XX
PP 25-JUN-1999; 99WO-US14484.
XX
PR 26-JUN-1998; 98US-0090762.
PR 31-JUL-1998; 98US-0094983.
PR 01-OCT-1998; 98US-0102686.
PR 11-DEC-1998; 98US-0112129.
XX
XX (INCY-) INCYTE PHARM INC.
XX
PA Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KI, Baughn MR;
PI Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
PI Bandman O;
XX WPI: 2000-160673/14.
XX P-PSDB: AAY87288.
XX
DR New human signal peptide-containing proteins useful in treatment,
XX prevention and diagnosis of e.g. cancer, inflammation and
XX cardiovascular disease -
XX
PS Claim 9; Page 289; 327pp: English.
XX
CC AA298109 to AA298242 encode AAY87224 to AAY87357 which represent the
CC human signal peptide-containing proteins HSP-1 to HSP-134. HSPs have
CC anticancer, anti-inflammatory, antimicrobial, neurotropic, hepatotropic,
CC neuroprotective, cardiovascular and antidiabetic activities, and can
CC be used in gene therapy. HSPs can be used to treat or prevent disorders
CC associated with decreased activity or function of HSP. Antagonists of
CC HSP are used to treat or prevent disorders associated with increased
CC activity or function of HSP. Such diseases include cell proliferation
CC (including cancer), inflammation, cardiovascular, neurological,
CC reproductive or developmental disorders, (e.g. arteriosclerosis,
CC cirrhosis, psoriasis, acquired immune deficiency syndrome, congestive or
CC asthma, Crohn's disease, microbial or other infections, anaemia,
CC ischaemic heart disease, Alzheimer's or Huntington's HSP
CC diseases, schizophrenia, ovulatory defects, muscular dystrophy) HSP
CC nucleic acids can be used for the recombinant production of HSP, for
CC detecting HSP in standard hybridisation and amplification assays (for
CC triplex-forming or ribozyme therapeutics, for detecting related sequences
CC or genetic variations, and for chromosomal mapping. HSP are also used to
CC raise specific antibodies (Ab) and to screen for agonists and
CC antagonists (potential therapeutic agents). Ab are used to diagnose, or
CC monitor, HSP-related diseases (in usual immunoassays), as therapeutic
CC antagonists, in competitive drug screens, and for purification of HSP
CC from natural sources.
XX
SQ Sequence 543 BP; 89 A; 194 C; 178 G; 82 T; 0 other;
XX
Query Match 99.0%; score 308.8; DB 21; Length 543;
Best Local Similarity 99.4%; Pred. No. 4.5e-53;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 ATGAAGCTGCGCCGCTCTGCGGCTGCGTGGCGCTGCGCCGCGACGCTCCGCTCGCT 60
```


Db	93	ATGAACTCGCGCCGCTCCTCGGGGCTACGCGGGCCCTGTCTCTCAGACTCCGCTGCTT	152		
Oy	61	TTCTTATGTCGGGCTCGGCGCAAGGCTCTGGGCCAGGCTCTGCTGGCGTGGAGTGGGGCG	120		
Db	153	TTCTTATGTCGGGCTCGGCGCAAGGCTCTGGGCCAGGCTCTGCTGGCGTGGAGTGGGGCG	212		
Oy	121	GAGCGCGGGGCGGAGACCTCTGGGCGCAACCCCTCGGCGACCTCGACCGCTGAAAGCTCTG	180		
Db	213	GAGCGCGGGGCGGAGACCTCTGGGCGCAACCCCTCGGCGACCTCGACCGCTGAAAGCTCTG	272		
Oy	181	CTGAGAGGCTGGGCTGCTCGGCTGAACCACTCATAGAGGGCTCCGAGAAGTGTGGCT	240		
Db	273	CTGAGAGGCTGGGCTGCTCGGCTGAACCACTCATAGAGGGCTCCGAGAAGTGTGGCT	332		
Oy	241	GAGCTGGGCTCCGAGGCGCTGGGGCGCTGAAGGCTCGAAGGCTCTGGGGGCGCTG	300		
Db	333	GAGCTGGGCTCCGAGGCGCTGGGGCGCTGAAGGCTCGAAGGCTCTGGGGGCGCTG	392		
Oy	301	ACAGTGTGGC 312			
Db	393	ACAGTGTGGC 404			
RESULT 3					
ID	AA229723	standard; DNA; 543 BP.			
XX	AA229723;				
XX	27-MAR-2000 (first entry)				
XX	Human lung specific gene Lng107.				
XX	Lung Specific Gene; LSG; human; diagnostic marker;				
XX	prognosticate; lung cancer; diagnosis; ds.				
XX	Homo sapiens.				
XX	Key	Location/Qualifiers			
FT	CDS	93..407			
FT		/*tag "a			
FT		/product= "LSG Lng107 protein"			
XX	W09960160-A1.				
XX	25-NOV-1999.				
XX	12-MAY-1999;	99MO-US10344.			
XX	21-MAY-1998;	98US-0086212.			
XX	(DIAD-) DIADEXUS LLC.				
XX	Yang F, Macina RA, Sun Y;				
XX	WPI: 2000-116320/10.				
XX	P-PSDB; AAY44458.				
XX	A new method for diagnosing, monitoring and staging lung cancer				
XX	Claim 6; Page 36; 40pp; English.				
XX	The present sequence is a lung specific gene (LSG) Lng107 from human				
XX	clone ID 586271. The LSG has high level of tissue specificity for lungs				
XX	and is overexpressed in cancerous tissues. The sequence serves as a				
XX	diagnostic marker for detecting, monitoring, staging and prognosticating				
XX	lung cancer. The diagnosis involves comparing levels of LSG in samples				
XX	obtained from patient and normal control.				
XX	Sequence 543 BP; 89 A; 194 C; 178 G; 82 T; 0 other;				
Query Match 99.0%; Score 308.8; DB 21; Length 543;					

	Best Local Similarity	99.4%	Pred. No. 4,5e-53	Matches 310	Conservative	0	Mismatches 2	Indels	0	Gaps	0
QY	1	ATGAAGCTCGCGGCCCTCTGCGGTGCGTGGCGGCCCTGCTCGACGCTCGCTGCT	60								
Db	93	ATGAAGCTCGCGGCCCTCTGCGGTGCGTGGCGGCCCTGCTCGACGCTCGCTGCT	152								
QY	61	TTCTTATGAGGGCTCGGCGCAACCTGTGGCCCGCAGCTGCGTGGCGTGAAGCGGCGG	120								
Db	153	TTCTTATGAGGGCTCGGCGCAACCTGTGGCCCGCAGCTGCGTGGCGTGAAGCGGCGG	212								
QY	121	GAGGCGGGGGCGGGAGCCCTTGCGCCAACTCCCTCGGCACTCAACCCGCTGAAGCTCTG	180								
Db	213	GAGGCGGGGGCGGGAGCCCTTGCGCCAACTCCCTCGGCACTCAACCCGCTGAAGCTCTG	272								
QY	241	GAGCTGGGTCCCGCAGCGCGTGGGGCCGTGAAGGCCCTGAAGGCCCTTGCGGGCCCTG	300								
Db	333	GAGCTGGGTCCCGCAGCGCGTGGGGCCGTGAAGGCCCTGAAGGCCCTTGCGGGCCCTG	392								
QY	301	ACAGTGTGTGGC 312									
Db	393	ACAGTGTGTGGC 404									
RESULT 4											
ID	AAV54620	AAV54620 standard; cDNA; 562 BP.									
AC	AAV54620;										
XX	25-MAR-2003	(updated)									
DT	30-OCT-1998	(first entry)									
XX	LU105	specific consensus polynucleotide sequence.									
DE	LU105:	lung disease marker; immunoassay; lung disease; cancer;									
XX	blood;	plasma; serum; ss.									
KM	Homo sapiens.										
XX	OS										
XX	Key	Location/Qualifiers									
FH	CDS	122..436									
FT	FT	/tag= a									
FT	FT	/transl_except= (pos:176..178, aa:Val) .									
FT	FT	/product= "LU105 polypeptide"									
XX	WO9833926-A1.										
PN	06-AUG-1998.										
XX	30-JAN-1998;	98WO-US01766.									
XX	31-JAN-1997;	97US-0791710.									
XX	(ABBO)	ABBOTT LAB.									
XX	Billing-medel PA, Cohen M, Colpitts TL, Friedman PW, Gordon J;										
PI	Grenados EN, Hodges SC, Klass MR, Kirschchvil JD, Robertstrapp L;										
PI	Russell JC, Stroupe SD;										
XX	WPI, 1998-437479/37.										
DR	P-PSDB; AAW75868.										
XX	New nucleic acid for the lung disease marker LU105 - polypeptides,										
PT	antibodies and genes, used for diagnosis, prevention, treatment of										

DB 379 ACAGCTTGCG 390
|||||
RESULT 6
AAZ65103
ID AAZ65103 standard; cDNA; 570 bp.
XX
XX AAZ65103;
AC
XX 05-APR-2000 (first entry)
XX
XX Membrane-bound protein PRO1245 encoding cDNA.
DE Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping; ss.
XX
XX Homo sapiens.
OS
XX MO996308-A2.
PN
XX 09-DEC-1999.
PD
XX
XX 02-JUN-1999; 99MO-US12252.
PF
XX
PR 02-JUN-1998; 98US-0087607.
PR 02-JUN-1998; 98US-0087609.
PR 02-JUN-1998; 98US-0087759.
PR 03-JUN-1998; 98US-0087827.
PR 04-JUN-1998; 98US-0088021.
PR 04-JUN-1998; 98US-0088025.
PR 04-JUN-1998; 98US-0088028.
PR 04-JUN-1998; 98US-0088029.
PR 04-JUN-1998; 98US-0088030.
PR 04-JUN-1998; 98US-0088033.
PR 04-JUN-1998; 98US-0088036.
PR 05-JUN-1998; 98US-0088167.
PR 05-JUN-1998; 98US-0088202.
PR 05-JUN-1998; 98US-0088212.
PR 05-JUN-1998; 98US-0088217.
PR 09-JUN-1998; 98US-0088655.
PR 10-JUN-1998; 98US-0088722.
PR 10-JUN-1998; 98US-0088730.
PR 10-JUN-1998; 98US-0088734.
PR 10-JUN-1998; 98US-0088738.
PR 10-JUN-1998; 98US-0088740.
PR 10-JUN-1998; 98US-0088742.
PR 10-JUN-1998; 98US-0088747.
PR 10-JUN-1998; 98US-0088810.
PR 10-JUN-1998; 98US-0088811.
PR 10-JUN-1998; 98US-0088824.
PR 10-JUN-1998; 98US-0088825.
PR 11-JUN-1998; 98US-0088826.
PR 11-JUN-1998; 98US-0088858.
PR 11-JUN-1998; 98US-0088861.
PR 11-JUN-1998; 98US-0088863.
PR 11-JUN-1998; 98US-0088876.
PR 12-JUN-1998; 98US-0089090.
PR 12-JUN-1998; 98US-0089105.
PR 16-JUN-1998; 98US-0089440.
PR 16-JUN-1998; 98US-0089512.
PR 16-JUN-1998; 98US-0089514.
PR 17-JUN-1998; 98US-0089532.
PR 17-JUN-1998; 98US-0089538.
PR 17-JUN-1998; 98US-0089599.
PR 17-JUN-1998; 98US-0089599.
PR 17-JUN-1998; 98US-0089600.
PR 17-JUN-1998; 98US-0089653.
PR 18-JUN-1998; 98US-0089801.
PR 18-JUN-1998; 98US-0089907.
PR 18-JUN-1998; 98US-0089908.
PR 19-JUN-1998; 98US-0089947.
PR 19-JUN-1998; 98US-0089948.
PR 19-JUN-1998; 98US-0089948.

PR 19-JUN-1998; 98US-0089952.
PR 22-JUN-1998; 98US-0090246.
PR 22-JUN-1998; 98US-0090252.
PR 22-JUN-1998; 98US-0090254.
PR 23-JUN-1998; 98US-0090349.
PR 23-JUN-1998; 98US-0090355.
PR 24-JUN-1998; 98US-0090429.
PR 24-JUN-1998; 98US-0090431.
PR 24-JUN-1998; 98US-0090435.
PR 24-JUN-1998; 98US-0090444.
PR 24-JUN-1998; 98US-0090445.
PR 24-JUN-1998; 98US-0090461.
PR 24-JUN-1998; 98US-0090472.
PR 24-JUN-1998; 98US-0090535.
PR 24-JUN-1998; 98US-0090538.
PR 24-JUN-1998; 98US-0090540.
PR 25-JUN-1998; 98US-0090557.
PR 25-JUN-1998; 98US-0090676.
PR 25-JUN-1998; 98US-0090678.
PR 25-JUN-1998; 98US-0090688.
PR 25-JUN-1998; 98US-0090690.
PR 25-JUN-1998; 98US-0090691.
PR 25-JUN-1998; 98US-0090695.
PR 25-JUN-1998; 98US-0090699.
PR 26-JUN-1998; 98US-0090862.
PR 26-JUN-1998; 98US-0090863.
PR 01-JUL-1998; 98US-0091360.
PR 01-JUL-1998; 98US-0091360.
PR 02-JUL-1998; 98US-0091476.
PR 02-JUL-1998; 98US-0091486.
PR 02-JUL-1998; 98US-0091519.
PR 02-JUL-1998; 98US-0091626.
PR 02-JUL-1998; 98US-0091628.
PR 02-JUL-1998; 98US-0091633.
PR 02-JUL-1998; 98US-0091646.
PR 07-JUL-1998; 98US-0091673.
PR 07-JUL-1998; 98US-0091987.
PR 09-JUL-1998; 98US-0092182.
PR 10-JUL-1998; 98US-0092477.
PR 20-JUL-1998; 98US-0093339.
PR 30-JUL-1998; 98US-0094651.
PR 04-AUG-1998; 98US-0095282.
PR 04-AUG-1998; 98US-0095286.
PR 04-AUG-1998; 98US-0095307.
PR 04-AUG-1998; 98US-0095310.
PR 04-AUG-1998; 98US-0095312.
PR 04-AUG-1998; 98US-0095319.
PR 04-AUG-1998; 98US-0095322.
PR 10-AUG-1998; 98US-0095916.
PR 10-AUG-1998; 98US-0095929.
PR 10-AUG-1998; 98US-0096011.
PR 11-AUG-1998; 98US-0096145.
PR 11-AUG-1998; 98US-0096146.
PR 12-AUG-1998; 98US-0096329.
PR 17-AUG-1998; 98US-0096757.
PR 17-AUG-1998; 98US-0096766.
PR 17-AUG-1998; 98US-0096768.
PR 17-AUG-1998; 98US-0096773.
PR 17-AUG-1998; 98US-0096779.
PR 17-AUG-1998; 98US-0096867.
PR 17-AUG-1998; 98US-0096891.
PR 17-AUG-1998; 98US-0096894.
PR 17-AUG-1998; 98US-0096895.
PR 17-AUG-1998; 98US-0096897.
PR 18-AUG-1998; 98US-0096949.
PR 18-AUG-1998; 98US-0096950.
PR 18-AUG-1998; 98US-0096959.
PR 18-AUG-1998; 98US-0096960.
PR 18-AUG-1998; 98US-0097022.
PR 19-AUG-1998; 98US-0097141.

XX		PR	12-JUN-1998:	98US-089105P.
XX		PR	16-JUN-1998:	98US-089440P.
XX		PR	16-JUN-1998:	98US-089512P.
XX		PR	16-JUN-1998:	98US-089514P.
XX		PR	17-JUN-1998:	98US-089532P.
XX		PR	17-JUN-1998:	98US-089538P.
XX		PR	17-JUN-1998:	98US-089598P.
XX		PR	17-JUN-1998:	98US-089599P.
XX		PR	17-JUN-1998:	98US-089600P.
XX		PR	17-JUN-1998:	98US-089653P.
XX		PR	18-JUN-1998:	98US-089801P.
XX		PR	18-JUN-1998:	98US-089907P.
XX		PR	18-JUN-1998:	98US-089908P.
XX		PR	28-AUG-2001:	2001US-09411992.
XX		(GENTH) GENENTECH INC.		
XX		PI	Ashkenazi AD, Baker KP, Botstein D, Desnoyers L, Eaton DL;	
XX		PI	Perrera AN, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;	
XX		PI	Grimaldi JC, Gurney AL, Kijavlin ID, Napier MA, Pan J, Paoni NF;	
XX		PI	Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;	
XX		Zhang Z;		
DR		WPI: 2003-247083/24.		
PT		P-PSDB; ABU59174.		
PT		Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346		
PT		and PRO1375, which stimulate proliferation of stimulated T-lymphocytes		
PT		are therapeutically useful for enhancing immune response and in cancer		
PT		treatments -		
PS		Claim 2; Fig 291; 648pp; English.		
CC		The invention describes an isolated human PRO polypeptide. The PRO		
CC		polypeptides are useful in detecting pro-polypeptides in a sample, in		
CC		linking a bioactive molecule to a cell expressing a PRO polypeptide, and		
CC		in modulating at least one biological activity of a cell expressing a PRO		
CC		polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus		
CC		useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186		
CC		stimulate adrenal cortical capillary endothelial growth, and PRO556,		
CC		PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,		
CC		PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus		
CC		useful for treating conditions or disorders where angiogenesis would be		
CC		beneficial, e.g. wound healing and antagonist of this polypeptide are		
CC		useful for treating cancerous tumours. PRO812 inhibits vascular		
CC		endothelial growth factor (VEGF) stimulated proliferation of endothelial		
CC		cells and is thus useful for inhibiting endothelial cell growth in		
CC		mammals which would be beneficial in inhibiting tumour growth. PRO826,		
CC		PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of		
CC		stimulated T-lymphocytes and are therapeutically useful for enhancing		
CC		immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of		
CC		retinal neurons cells (PRO1132 is also enhances survival/proliferation of		
CC		rod photoreceptor cells) and therefore are useful for treating retinal		
CC		disorders of injuries [e.g. retinitis pigmentosa, AMD. PRO819, PRO813		
CC		and PRO1066 induce proliferation of mammalian kidney mesangial cells,		
CC		and therefore are useful for treating kidney disorders associated with		
CC		decreased mesangial cell function such as Berger's disease or Crohn's		
CC		nephropathies associated with dermatitis, peritrophic or Crohn's		
CC		disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the		
CC		proliferation and/or redifferentiation of chondrocytes in culture and		
CC		are thus useful for treating sports injuries, and arthritis. This		
CC		sequence represents a novel human PRO protein polynucleotide.		
XX				
SO		Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;		
XX				
OY		Query Match	99.0%; Score 308.8; DB 25; Length 570;	
OY		Best Local Similarity	99.4%; Pred. No. 4.5e-53;	
DB		Matches 310; Conservative	0; Mismatches 2; Indels 0; Gaps 0	
DB		1 ATGAAGCTGCACGCCCTCCTGGAGGCTTCGCGGCGCTCTCCTGCAGCTCCCTGTGCT 60		
DB				
DB		79 ATGAAGCTGCACGCCCTCCTGGAGGCTTCGCGGCGCTCTCCTGCAGCTCCCTGTGCT 138		

QY	6	TTCTTATGTTGGCTCGGCGCAAGCCTGTGGCCAGCCTGTGCTGGCTGGATGCGGCGG	12
Db	139	TTCCTTAGTGGGCTCGGCGCAAGCCTGTGGCCAGCCTGTGCTGGATGCGGCGG	198
QY	121	GAGGGCGGGGCGGGGACCCCTGGCCCAACCCCTCGGCAACCCCGCTGAAGCTCTCTG	180
Db	199	GAGCGCGGGGCGGGGACCCCTGGCCCAACCCCTCGGCAACCCCGCTGAAGCTCTCTG	258
QY	181	CTGAGACAGCCTGGGCAATCCCGCTGAACCAACCTCATAGAGGGCTCCAGAACTGTGGCT	240
Db	259	CTTAGGACAGCCTGGGCAATCCCGCTGAACCAACCTCATAGAGGGCTCCAGAACTGTGGCT	318
QY	241	GAGCTGGGTCCCAAGCGCGTGGGGCCGCTGAAGGCGCTGAAGGCGCTGTGGGGCCCTG	300
Db	319	GAGCTGGGTCCCAAGCGCGTGGGGCCGCTGAAGGCGCGCTGAAGGCGCTGTGGGGCCCTG	378
QY	301	ACAGTGTGGC 312	
Db	379	ACAGTGTGGC 390	
RESULT 9			
ID	ABx80890	standard; cDNA; 570 BP.	
XX	ABx80890;		
XX	22-APR-2003	(first entry)	
DE	Human secreted/transmembrane protein CDNA, #163.		
XX			
KW	Human; gene; ss; PRO; secreted; transmembrane; pharmaceutical;		
KW	diagnostic; biosensor; bioreactor; tumour; therapeutic;		
KW	gene therapy; tumour-associated antigenic target; TAT; ADEPT;		
KV	antibody-dependent enzyme mediated prodrug therapy; cytostatic.		
XX	Homo sapiens.		
XX	US2003027162-A1.		
XX	06-FEB-2003.		
XX	15-NOV-2001;	2001US-0997428.	
PR	05-NOV-1997;	97WO-US20069.	
PR	16-SEP-1998;	98WO-US19330.	
PR	17-SEP-1998;	98WO-US19437.	
PR	07-OCT-1998;	98WO-US21141.	
PR	01-DEC-1998;	98WO-US25108.	
PR	05-JAN-1999;	99WO-US00106.	
PR	08-MAR-1999;	99WO-US05028.	
PR	02-JUN-1999;	99WO-US12252.	
PR	15-SEP-1999;	99WO-US21090.	
PR	15-SEP-1999;	99WO-US21547.	
PR	30-NOV-1999;	99WO-US28313.	
PR	01-DEC-1999;	99WO-US28301.	
PR	16-DEC-1999;	99WO-US28634.	
PR	20-DEC-1999;	99WO-US30095.	
PR	05-JAN-2000;	2000WO-US00219.	
PR	06-JAN-2000;	2000WO-US00376.	
PR	11-FEB-2000;	2000WO-US03565.	
PR	18-FEB-2000;	2000WO-US04341.	
PR	22-FEB-2000;	2000WO-US04914.	
PR	24-FEB-2000;	2000WO-US05004.	
PR	02-MAR-2000;	2000WO-US05841.	
PR	10-MAR-2000;	2000WO-US06319.	
PR	15-MAR-2000;	2000WO-US06884.	
PR	20-MAR-2000;	2000WO-US07317.	
PR	30-MAR-2000;	2000WO-US08439.	
PR	15-MAY-2000;	2000WO-US13358.	
PR	17-MAY-2000;	2000WO-US13705.	

PR 22-MAY-2000; 2000MO-US14042.
PR 30-MAY-2000; 2000MO-US14941.
PR 02-JUN-2000; 2000MO-US15264.
PR 28-JUL-2000; 2000MO-US20710.
PR 11-AUG-2000; 2000MO-US23031.
PR 23-AUG-2000; 2000MO-US23522.
PR 24-AUG-2000; 2000MO-US23325.
PR 08-NOV-2000; 2000MO-US30952.
PR 01-DEC-2000; 2000MO-US32678.
PR 28-FEB-2001; 2001MO-US06520.
PR 01-JUN-2001; 2001MO-US17800.
PR 20-JUN-2001; 2001MO-US19692.
PR 29-JUN-2001; 2001MO-US21066.
PR 09-JUL-2001; 2001MO-US21735.
PR 16-JUN-1997; 97US-0497875.
PR 17-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-065111P.
PR 13-NOV-1997; 97US-066770P.
PR 24-NOV-1997; 97US-065311P.
PR 25-FEB-1998; 98US-075945P.
PR 20-MAR-1998; 98US-078910P.
PR 28-APR-1998; 98US-083322P.
PR 07-MAY-1998; 98US-084600P.
PR 28-MAY-1998; 98US-087106P.
PR 02-JUN-1998; 98US-087607P.
PR 02-JUN-1998; 98US-087609P.
PR 03-JUN-1998; 98US-087759P.
PR 04-JUN-1998; 98US-088021P.
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 05-JUN-1998; 98US-088326P.
PR 05-JUN-1998; 98US-088367P.
PR 05-JUN-1998; 98US-088412P.
PR 03-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 12-JUN-1998; 98US-088876P.
PR 16-JUN-1998; 98US-089405P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 18-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089601P.
PR 18-JUN-1998; 98US-089607P.
PR 19-JUN-1998; 98US-089608P.
PR 19-JUN-1998; 98US-089647P.
PR 19-JUN-1998; 98US-089648P.
PR 22-JUN-1998; 98US-089952P.
PR 22-JUN-1998; 98US-090246P.
PR 22-JUN-1998; 98US-090252P.
PR 23-JUN-1998; 98US-090254P.
PR 23-JUN-1998; 98US-090355P.
PR 24-JUN-1998; 98US-090355P.
PR 24-JUN-1998; 98US-090429P.
PR 24-JUN-1998; 98US-090431P.

PR 24-JUN-1998; 98US-090435P.
PR 24-JUN-1998; 98US-090444P.
PR 24-JUN-1998; 98US-090445P.
PR 24-JUN-1998; 98US-090472P.
PR 24-JUN-1998; 98US-090535P.
PR 24-JUN-1998; 98US-090540P.
PR 24-JUN-1998; 98US-090542P.
PR 24-JUN-1998; 98US-090576P.
PR 25-JUN-1998; 98US-090678P.
PR 25-JUN-1998; 98US-090690P.
PR 25-JUN-1998; 98US-090694P.
PR 25-JUN-1998; 98US-090695P.
PR 25-JUN-1998; 98US-090696P.
PR 26-JUN-1998; 98US-090696P.
PR 26-JUN-1998; 98US-090862P.
PR 01-JUL-1998; 98US-090863P.
PR 02-JUL-1998; 98US-091360P.
PR 02-JUL-1998; 98US-091478P.
PR 02-JUL-1998; 98US-091519P.
PR 02-JUL-1998; 98US-091626P.
PR 02-JUL-1998; 98US-091633P.
PR 02-JUL-1998; 98US-091633P.
PR 02-JUL-1998; 98US-091633P.
PR 02-JUL-1998; 98US-091673P.
PR 07-JUL-1998; 98US-091982P.
PR 07-JUL-1998; 98US-092182P.
PR 10-JUL-1998; 98US-092472P.
PR 30-JUL-1998; 98US-093339P.
PR 04-AUG-1998; 98US-094651P.
PR 04-AUG-1998; 98US-095282P.
PR 04-AUG-1998; 98US-095285P.
PR 04-AUG-1998; 98US-095301P.
PR 04-AUG-1998; 98US-095302P.
PR 04-AUG-1998; 98US-095318P.
PR 04-AUG-1998; 98US-095321P.
PR 04-AUG-1998; 98US-095325P.
PR 10-AUG-1998; 98US-095316P.
PR 10-AUG-1998; 98US-095329P.
PR 10-AUG-1998; 98US-096012P.
PR 11-AUG-1998; 98US-096143P.
PR 11-AUG-1998; 98US-096146P.
PR 12-AUG-1998; 98US-096529P.
PR 17-AUG-1998; 98US-096757P.
PR 17-AUG-1998; 98US-096766P.
PR 17-AUG-1998; 98US-096768P.
PR 17-AUG-1998; 98US-096773P.
PR 17-AUG-1998; 98US-096791P.
PR 17-AUG-1998; 98US-096867P.
PR 17-AUG-1998; 98US-096891P.
PR 17-AUG-1998; 98US-096894P.
PR 17-AUG-1998; 98US-096895P.
PR 18-AUG-1998; 98US-096897P.
PR 18-AUG-1998; 98US-096949P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096959P.
PR 18-AUG-1998; 98US-097022P.
PR 19-AUG-1998; 98US-097141P.
PR 20-AUG-1998; 98US-097218P.
PR 26-AUG-1998; 98US-097681P.
PR 26-AUG-1998; 98US-097852P.
PR 26-AUG-1998; 98US-097854P.
PR 26-AUG-1998; 98US-097855P.
PR 26-AUG-1998; 98US-097971P.
PR 26-AUG-1998; 98US-097974P.
PR 26-AUG-1998; 98US-097978P.
PR 26-AUG-1998; 98US-097979P.
PR 26-AUG-1998; 98US-097986P.
PR 31-AUG-1998; 98US-098014P.
PR 31-AUG-1998; 98US-098525P.
PR 16-SEP-1998; 98US-100634P.


```

PR 05-JAN-1998; 99WO-US00106;
PR 08-MAR-1998; 99WO-US05028;
PR 02-JUN-1998; 99WO-US12252;
PR 13-SEP-1998; 99WO-US21090;
PR 15-SEP-1998; 99WO-US21547;
PR 30-NOV-1998; 99WO-US28313;
PR 01-DEC-1998; 99WO-US28634;
PR 16-DEC-1998; 99WO-US30095;
PR 20-DEC-1998; 99WO-US30911;
PR 05-JAN-2000; 2000WO-US00219;
PR 06-JAN-2000; 2000WO-US00376;
PR 11-FEB-2000; 2000WO-US03565;
PR 18-FEB-2000; 2000WO-US04341;
PR 22-FEB-2000; 2000WO-US04914;
PR 24-FEB-2000; 2000WO-US05004;
PR 02-MAR-2000; 2000WO-US05841;
PR 10-MAR-2000; 2000WO-US06319;
PR 15-MAR-2000; 2000WO-US06884;
PR 30-MAR-2000; 2000WO-US07377;
PR 15-MAY-2000; 2000WO-US13358;
PR 17-MAY-2000; 2000WO-US13705;
PR 22-MAY-2000; 2000WO-US14042;
PR 30-MAY-2000; 2000WO-US14941;
PR 02-JUN-2000; 2000WO-US15266;
PR 28-JUL-2000; 2000WO-US20710;
PR 11-AUG-2000; 2000WO-US22031;
PR 23-AUG-2000; 2000WO-US23522;
PR 24-AUG-2000; 2000WO-US23528;
PR 08-NOV-2000; 2000WO-US30952;
PR 01-DEC-2000; 2000WO-US32678;
PR 28-FEB-2001; 2001WO-US06520;
PR 01-JUN-2001; 2001WO-US17800;
PR 20-JUN-2001; 2001WO-US19692;
PR 29-JUN-2001; 2001WO-US21069;
PR 09-JUL-2001; 2001WO-US21735;
PR 16-JUN-1997; 97US-049787P;
PR 17-OCT-1997; 97US-062250P;
PR 12-NOV-1997; 97US-065186P;
PR 13-NOV-1997; 97US-065311P;
PR 24-NOV-1997; 97US-066770P;
PR 25-FEB-1998; 98US-075945P;
PR 28-MAR-1998; 98US-078910P;
PR 07-APR-1998; 98US-083322P;
PR 28-MAY-1998; 98US-084600P;
PR 02-JUN-1998; 98US-087106P;
PR 02-JUN-1998; 98US-087607P;
PR 02-JUN-1998; 98US-087609P;
PR 03-JUN-1998; 98US-087759P;
PR 04-JUN-1998; 98US-088021P;
PR 04-JUN-1998; 98US-088025P;
PR 04-JUN-1998; 98US-088026P;
PR 04-JUN-1998; 98US-088028P;
PR 04-JUN-1998; 98US-088029P;
PR 04-JUN-1998; 98US-088030P;
PR 04-JUN-1998; 98US-088033P;
PR 04-JUN-1998; 98US-088326P;
PR 05-JUN-1998; 98US-088167P;
PR 05-JUN-1998; 98US-088202P;
PR 05-JUN-1998; 98US-088212P;
PR 05-JUN-1998; 98US-088217P;
PR 09-JUN-1998; 98US-088655P;
PR 10-JUN-1998; 98US-088734P;
PR 10-JUN-1998; 98US-088738P;
PR 10-JUN-1998; 98US-088742P;
PR 10-JUN-1998; 98US-088810P;
PR 10-JUN-1998; 98US-088824P;
PR 11-JUN-1998; 98US-088825P;
PR 11-JUN-1998; 98US-088858P;
PR 11-JUN-1998; 98US-088861P;

```

```

PR 11-JUN-1998; 98US-088876P;
PR 12-JUN-1998; 98US-088105P;
PR 16-JUN-1998; 98US-088440P;
PR 16-JUN-1998; 98US-088512P;
PR 16-JUN-1998; 98US-088514P;
PR 17-JUN-1998; 98US-088532P;
PR 17-JUN-1998; 98US-088538P;
PR 17-JUN-1998; 98US-088598P;
PR 17-JUN-1998; 98US-088599P;
PR 17-JUN-1998; 98US-088600P;
PR 17-JUN-1998; 98US-088653P;
PR 18-JUN-1998; 98US-088801P;
PR 18-JUN-1998; 98US-088907P;
PR 18-JUN-1998; 98US-088908P;
PR 28-AUG-2001; 2001US-0941992.

( GETH ) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnovers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gertszen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kijavlin IY, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
DR WPI: 2003-288106/28.
DR P-FSDB: AB060604.
XX
FT New transmembrane polypeptides and nucleic acids encoding the
FT polypeptides, useful in gene therapy, in chromosome identification, as
FT chromosome markers, or in generating probes.
XX
XX Claim 2, Fig 289; 650p; English.
XX
CC The invention discloses isolated PRO secreted/transmembrane polypeptides
CC comprising a sequence without signal peptide and the nucleic acid
CC encoding them. The polypeptides can be used to raise antibodies that
CC specifically bind to the PRO polypeptide, for linking a biocative
CC molecule to a cell expressing a PRO protein and for modulating at least
CC one biological activity of a cell. The PRO polypeptides or
CC polynucleotides are also useful in gene therapy, in chromosome
CC identification, as chromosome markers, or in generating probes. The PRO
CC polypeptides are useful as molecular markers for protein
CC electrophoresis, and the isolated nucleic acids may be used for
CC recombinantly expressing those markers. The PRO polypeptides and nucleic
CC acids may also be used in tissue typing. Anti-PRO antibodies are useful
CC in diagnostic assays for PRO, and in affinity purification of PRO from
CC recombinant cell culture or natural sources. The sequences presented in
CC ABX90083-ABX90468 are the genes encoding the primers amplifying and the
CC probes detecting the PRO polynucleotides of the invention and the
CC Note: The sequence data for this patent is also available in electronic
CC format from USPTO at uspto.gov/sequence.html.
XX
XX Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;
XX
Query Match 99.0%; Score 308.8; DB 25; Length 570;
Best Local Similarity 99.4%; Pred. No. 4.5e-33;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
QY 1 ATGAAGCTGCGCCGCTCTGCGGCTGCGTGGCCCTGCTGCTGACCTCCGCTGCT 60
DB ATGAAGCTGCGCCGCTCTGCGGCTGCGTGGCCCTGCTGCTGACCTCCGCTGCT 138
QY 61 TTCTTAGTGGGCTCGGCAAGCCTGTGTCGCTGCTGCTGCTGAGTGGCGGCG 120
DB TTCTTAGTGGGCTCGGCAAGCCTGTGTCGCTGCTGCTGCTGAGTGGCGGCG 198
QY 121 GAGGCGGGGCGGAGCCTGCGCAACCCCTGCGGCACTGCAACCGCTGAGCTCT 180
DB GAGGCGGGGCGGAGCCTGCGCAACCCCTGCGGCACTGCAACCGCTGAGCTCT 258
QY 181 CTGAGCAGCTGGGCACTCCCGGCAACCACTATAGAGGCTCCGAGAGCTGTGGCT 240
DB CTGAGCAGCTGGGCACTCCCGGCAACCACTATAGAGGCTCCGAGAGCTGTGGCT 318

```



```
PR 22-MAY-2000; 2000WO-US14042-
PR 30-MAY-2000; 2000WO-US14941-
PR 02-JUN-2000; 2000WO-US15264-
PR 28-JUL-2000; 2000WO-US20710-
PR 11-AUG-2000; 2000WO-US22031-
PR 23-AUG-2000; 2000WO-US23522-
PR 24-AUG-2000; 2000WO-US23328-
PR 08-NOV-2000; 2000WO-US30952-
PR 01-DEC-2000; 2000WO-US32678-
PR 28-FEB-2001; 2001WO-US06520-
PR 01-JUN-2001; 2001WO-US17800-
PR 20-JUN-2001; 2001WO-US19692-
PR 23-JUN-2001; 2001WO-US21066-
PR 19-JUL-2001; 2001WO-US21735-
PR 16-JUN-1997; 97US-049787P-
PR 17-OCT-1997; 97US-062250P-
PR 12-NOV-1997; 97US-065186P-
PR 13-NOV-1997; 97US-065311P-
PR 24-NOV-1997; 97US-066770P-
PR 25-FEB-1998; 98US-075945P-
PR 20-MAR-1998; 98US-078910P-
PR 28-APR-1998; 98US-083322P-
PR 07-MAY-1998; 98US-084600P-
PR 28-MAY-1998; 98US-087106P-
PR 02-JUN-1998; 98US-087607P-
PR 02-JUN-1998; 98US-087609P-
PR 02-JUN-1998; 98US-087759P-
PR 03-JUN-1998; 98US-087827P-
PR 04-JUN-1998; 98US-088021P-
PR 04-JUN-1998; 98US-088025P-
PR 04-JUN-1998; 98US-088026P-
PR 04-JUN-1998; 98US-088028P-
PR 04-JUN-1998; 98US-088029P-
PR 04-JUN-1998; 98US-088030P-
PR 04-JUN-1998; 98US-088033P-
PR 04-JUN-1998; 98US-088326P-
PR 05-JUN-1998; 98US-088617P-
PR 05-JUN-1998; 98US-088202P-
PR 05-JUN-1998; 98US-088212P-
PR 05-JUN-1998; 98US-088217P-
PR 09-JUN-1998; 98US-088655P-
PR 10-JUN-1998; 98US-088734P-
PR 10-JUN-1998; 98US-088738P-
PR 10-JUN-1998; 98US-088742P-
PR 10-JUN-1998; 98US-088810P-
PR 10-JUN-1998; 98US-088814P-
PR 10-JUN-1998; 98US-088824P-
PR 11-JUN-1998; 98US-088828P-
PR 11-JUN-1998; 98US-088838P-
PR 11-JUN-1998; 98US-088861P-
PR 11-JUN-1998; 98US-088876P-
PR 12-JUN-1998; 98US-089105P-
PR 16-JUN-1998; 98US-089440P-
PR 16-JUN-1998; 98US-089512P-
PR 16-JUN-1998; 98US-089514P-
PR 17-JUN-1998; 98US-089532P-
PR 17-JUN-1998; 98US-089538P-
PR 17-JUN-1998; 98US-089598P-
PR 17-JUN-1998; 98US-089599P-
PR 17-JUN-1998; 98US-089600P-
PR 17-JUN-1998; 98US-089653P-
PR 18-JUN-1998; 98US-089801P-
PR 18-JUN-1998; 98US-089807P-
PR 18-JUN-1998; 98US-089808P-
PR 28-AUG-2001; 2001US-0941992-
XX
XX
XX (GETH ) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Bolstein D, Desnoyers L, Eaton DL;
XX PI Ferrara N, Fong S, Gerber H, Gerlitsen ME, Goddard A, Godowski PJ;
XX PI Grimaldi JC, Gurney AL, Kijavlin IT, Napier MA, Pan J, Peoni NF;
XX PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WT;
XX Zhang Z;
XX
```

```
DR WPI: 2003-155950/15.
DR P-PSDB: ABUS9026.
XX
XX New secreted and transmembrane PRO polypeptides (e.g. PRO183, PRO184,
PT PRO161 or PRO846) useful as targets for therapeutic intervention in
PT cancers (e.g. lung or breast cancers), or for diagnosing these cancers
PT
XX
XX Claim 2; Fig 289; 647bp; English.
XX
XX The invention discloses isolated PRO secreted/transmembrane polypeptides
CC comprising a sequence without signal peptide and the nucleic acid
CC encoding them. The polypeptides can be used to raise antibodies that
CC specifically bind to the PRO polypeptide, for linking a bioactive
CC molecule to a cell expressing a PRO protein and for modulating at least
CC one biological activity of a cell. The PRO polypeptides or
CC polynucleotides are also useful as pharmaceuticals, diagnostics,
CC biosensors or bioreactors, for detecting or treating e.g. tumours in
CC mammals, e.g. humans, dogs, cats, cattle, horses, sheep, pigs or
CC rabbits as targets for therapeutic intervention in certain cancers (e.g.
CC colon, lung or breast cancers) and diagnostic determination of the
CC presence of these cancers. The PRO polypeptides are also useful as
CC molecular weight markers or for chromosome identification. The PRO genes
CC are useful as hybridisation probes or for screening libraries of human
CC cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
CC therapy, particularly for replacing a defective gene. The sequences
CC presented in ABX79290-ABX79675 are the genes encoding, the primers
CC amplifying and the probes detecting the PRO polynucleotides of the
CC invention.
CC Note: The sequence data for this patent is also available in electronic
CC format from USPTO at seqdata.uspto.gov/sequence.html.
XX
XX Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;
XX
XX Query Match 99.0%; Score 308.8; DB 25; Length 570;
XX Best local similarity 99.4%; Pred. No. 4.5e-53;
XX Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX 1 ATGAGCTGCGCGCCCTGCTGGGCTGCGGCGGCTGCGGCTGCGAGCTCGGCTGCT 60
XX |||||
XX 79 ATGAGCTGCGCGCCCTGCTGGGCTGCGGCGGCTGCGGCTGCGAGCTCGGCTGCT 138
XX |||||
XX 61 TTCTTAGTGGGCTCGGCCCAAGCTGTGGCCCAAGCTGTGGCTGTGGAGTGGGGCG 120
XX |||||
XX 139 TTCTTAGTGGGCTCGGCCCAAGCTGTGGCCCAAGCTGTGGCTGTGGAGTGGGGCG 198
XX |||||
XX 121 GAGGCCGGGGCGGGAACCTTGCCCAACCCCTGGACCCCTCAACCCGCTGAAGCTCTG 180
XX |||||
XX 199 GAGGCCGGGGCGGGAACCTTGCCCAACCCCTGGACCCCTCAACCCGCTGAAGCTCTG 258
XX |||||
XX 181 CTGAGCAGCTGGGCGATCCCGTGAACCACTCATAGAGGGCTGCCAGAGTGTGGCT 240
XX |||||
XX 259 CTGAGCAGCTGGGCGATCCCGTGAACCACTCATAGAGGGCTGCCAGAGTGTGGCT 318
XX |||||
XX 241 GAGCTGGGTCGCCAAGCGGTGGGGCGGTGAAGGCCCTGAAGGCCCTGTGGGGCCCTG 300
XX |||||
XX 319 GAGCTGGGTCGCCAAGCGGTGGGGCGGTGAAGGCCCTGAAGGCCCTGTGGGGCCCTG 378
XX |||||
XX 301 ACAGTGTGTGGC 312
XX |||||
XX 379 ACAGTGTGTGGC 390
XX
XX RESULT 14
XX ABX64209
XX ID ABX64209 standard; CDNA; 570 BP.
XX
XX AC ABX64209;
XX
XX 26-FEB-2003 (first entry)
XX
XX CDNA encoding human PRO1245 polypeptide.
XX
```

KM Human; PRO polypeptide; secreted protein; transmembrane protein;
 KW genetic disorder; antibacterial; immunosuppressive; transgenic;
 KW gene therapy; gene; ss.
 OS Homo sapiens.
 XX US2002103125-A1.
 XX 01-AUG-2002.
 XX 20-NOV-2001; 2001US-10989731.
 XX 05-NOV-1997; 97WO-US20069.
 PR 16-SEP-1998; 98WO-US199330.
 PR 17-SEP-1998; 98WO-US194437.
 PR 07-OCT-1998; 98WO-US21141.
 PR 01-DEC-1998; 98WO-US25108.
 PR 05-JAN-1999; 99WO-US00106.
 PR 08-MAR-1999; 99WO-US05028.
 PR 02-JUN-1999; 99WO-US12352.
 PR 15-SEP-1999; 99WO-US21090.
 PR 15-NOV-1999; 99WO-US21547.
 PR 01-DEC-1999; 99WO-US28313.
 PR 16-DEC-1999; 99WO-US28634.
 PR 16-DEC-1999; 99WO-US30095.
 PR 20-DEC-1999; 99WO-US30911.
 PR 06-JAN-2000; 2000WO-US00219.
 PR 11-FEB-2000; 2000WO-US00376.
 PR 18-FEB-2000; 2000WO-US04341.
 PR 22-FEB-2000; 2000WO-US04414.
 PR 24-FEB-2000; 2000WO-US04914.
 PR 02-MAR-2000; 2000WO-US05004.
 PR 10-MAR-2000; 2000WO-US05841.
 PR 15-MAR-2000; 2000WO-US06319.
 PR 20-MAR-2000; 2000WO-US06884.
 PR 30-MAR-2000; 2000WO-US07377.
 PR 15-MAY-2000; 2000WO-US08439.
 PR 17-MAY-2000; 2000WO-US13358.
 PR 22-MAY-2000; 2000WO-US13705.
 PR 30-MAY-2000; 2000WO-US14042.
 PR 02-JUN-2000; 2000WO-US15264.
 PR 28-JUL-2000; 2000WO-US20710.
 PR 11-AUG-2000; 2000WO-US22031.
 PR 23-AUG-2000; 2000WO-US23522.
 PR 24-AUG-2000; 2000WO-US23328.
 PR 08-NOV-2000; 2000WO-US30952.
 PR 01-DEC-2000; 2000WO-US32678.
 PR 28-FEB-2001; 2001WO-US06520.
 PR 01-JUN-2001; 2001WO-US17800.
 PR 20-JUN-2001; 2001WO-US19692.
 PR 29-JUN-2001; 2001WO-US21066.
 PR 09-JUL-2001; 2001WO-US21735.
 PR 16-JUN-1997; 97US-049787P.
 PR 17-OCT-1997; 97US-062250P.
 PR 12-NOV-1997; 97US-065186P.
 PR 13-NOV-1997; 97US-065311P.
 PR 24-NOV-1997; 97US-065770P.
 PR 25-FEB-1998; 98US-075945P.
 PR 20-MAR-1998; 98US-078910P.
 PR 28-APR-1998; 98US-083322P.
 PR 07-MAY-1998; 98US-084600P.
 PR 18-MAY-1998; 98US-087106P.
 PR 02-JUN-1998; 98US-087607P.
 PR 02-JUN-1998; 98US-087609P.
 PR 02-JUN-1998; 98US-087759P.
 PR 03-JUN-1998; 98US-087827P.
 PR 04-JUN-1998; 98US-088021P.
 PR 04-JUN-1998; 98US-088025P.
 PR 04-JUN-1998; 98US-088026P.
 PR 04-JUN-1998; 98US-088028P.

PR 04-JUN-1998; 98US-088029P.
 PR 04-JUN-1998; 98US-088030P.
 PR 04-JUN-1998; 98US-088033P.
 PR 04-JUN-1998; 98US-088326P.
 PR 05-JUN-1998; 98US-088167P.
 PR 05-JUN-1998; 98US-088202P.
 PR 05-JUN-1998; 98US-088212P.
 PR 05-JUN-1998; 98US-088217P.
 PR 09-JUN-1998; 98US-088655P.
 PR 10-JUN-1998; 98US-088734P.
 PR 10-JUN-1998; 98US-088738P.
 PR 10-JUN-1998; 98US-088742P.
 PR 10-JUN-1998; 98US-088810P.
 PR 10-JUN-1998; 98US-088824P.
 PR 10-JUN-1998; 98US-088826P.
 PR 11-JUN-1998; 98US-088858P.
 PR 11-JUN-1998; 98US-088861P.
 PR 11-JUN-1998; 98US-088876P.
 PR 12-JUN-1998; 98US-089105P.
 PR 16-JUN-1998; 98US-089440P.
 PR 16-JUN-1998; 98US-089512P.
 PR 16-JUN-1998; 98US-089514P.
 PR 17-JUN-1998; 98US-089532P.
 PR 17-JUN-1998; 98US-089538P.
 PR 17-JUN-1998; 98US-089598P.
 PR 17-JUN-1998; 98US-089599P.
 PR 17-JUN-1998; 98US-089600P.
 PR 17-JUN-1998; 98US-089653P.
 PR 18-JUN-1998; 98US-089650P.
 PR 18-JUN-1998; 98US-089801P.
 PR 18-JUN-1998; 98US-089907P.
 PR 18-JUN-1998; 98US-089908P.
 PR 28-AUG-2001; 2001US-0941992.
 (GENTH) GENENTECH LTD.
 PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers LV, Eaton DL;
 PI Ferrera N, Fong S, Gether H, Garritsen ME, Goddard A, Godowski PJ;
 PI Grimaldi JC, Gurney AL, Kijavrin IJ, Napier MA, Pan J, Paoni NP;
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
 PI Zhang Z;
 XX WPI: 2003-102117/09.
 DR P-PSDB; ABU13986.
 PR Novel secreted and transmembrane polypeptide for modulating biological
 XX activity of cell expressing the polypeptide, identifying agonists or
 PT antagonists of polypeptide, and as molecular weight markers
 PT Claim 2; Fig 289; 649pp; English.
 PS The present invention relates to the isolation of novel human PRO
 CC polypeptides, and the polynucleotide sequences encoding them. The
 CC PRO polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides are useful for detecting other PRO polypeptides, for
 CC linking bioactive molecules to cells expressing PRO polypeptides,
 CC for modulating biological activities of cells expressing PRO
 CC polypeptides, and for identifying agonists or antagonists.
 CC The polynucleotide sequences encoding PRO polypeptides are useful as
 CC hybridisation probes, in chromosome and gene mapping, in the generation
 CC of antisense RNA and DNA, in the preparation of PRO polypeptides, for
 CC generating transgenic animals or knockout animals, to construct
 CC hybridisation probes for mapping the gene which encodes the PRO
 CC polypeptide, and for the genetic analysis of individuals with genetic
 CC disorders, in gene therapy, for chromosome identification, as
 CC chromosome markers, and for generating probes for PCR, Northern
 CC analysis, Southern analysis and Western analysis. The present
 CC sequence encodes a human PRO polypeptide of the invention.
 CC Note: The sequence data for this patent was obtained in electronic
 CC format directly from the USPTO web site at
 CC seqdata.uspto.gov/psipsdidentrty.html.
 CC
 XX Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:37:59 ; Search time 3504.56 Seconds
(without alignments)
5214.127 Million cell updates/sec

Title: US-10-081-817a-19

Perfect score: 551
Sequence: 1 cggccggggagggcgccggg.....gcgcgccgagcccgccgccc 551

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3363688 seqs, 1658189874 residues

Total number of hits satisfying chosen parameters: 66727376

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Listing first 45 summaries

```

1: Pending-Patents_NA_Maln:*
2: /cgn2_6/ptodata/2/pna/PCRT05.COMB.seq:*
3: /cgn2_6/ptodata/2/pna/PCRT06.COMB.seq:*
4: /cgn2_6/ptodata/2/pna/US07.COMB.seq:*
5: /cgn2_6/ptodata/2/pna/US08.COMB.seq:*
6: /cgn2_6/ptodata/2/pna/US081.COMB.seq:*
7: /cgn2_6/ptodata/2/pna/US082.COMB.seq:*
8: /cgn2_6/ptodata/2/pna/US083.COMB.seq:*
9: /cgn2_6/ptodata/2/pna/US084.COMB.seq:*
10: /cgn2_6/ptodata/2/pna/US085.COMB.seq:*
11: /cgn2_6/ptodata/2/pna/US086.COMB.seq:*
12: /cgn2_6/ptodata/2/pna/US087.COMB.seq:*
13: /cgn2_6/ptodata/2/pna/US088.COMB.seq:*
14: /cgn2_6/ptodata/2/pna/US089.COMB.seq:*
15: /cgn2_6/ptodata/2/pna/US090.COMB.seq:*
16: /cgn2_6/ptodata/2/pna/US091.COMB.seq:*
17: /cgn2_6/ptodata/2/pna/US092.COMB.seq:*
18: /cgn2_6/ptodata/2/pna/US093.COMB.seq:*
19: /cgn2_6/ptodata/2/pna/US094.COMB.seq:*
20: /cgn2_6/ptodata/2/pna/US095.COMB.seq:*
21: /cgn2_6/ptodata/2/pna/US096.COMB.seq:*
22: /cgn2_6/ptodata/2/pna/US097.COMB.seq:*
23: /cgn2_6/ptodata/2/pna/US098.COMB.seq:*
24: /cgn2_6/ptodata/2/pna/US099.COMB.seq:*
25: /cgn2_6/ptodata/2/pna/US100.COMB.seq:*
26: /cgn2_6/ptodata/2/pna/US101.COMB.seq:*
27: /cgn2_6/ptodata/2/pna/US102.COMB.seq:*
28: /cgn2_6/ptodata/2/pna/US103.COMB.seq:*
29: /cgn2_6/ptodata/2/pna/US104.COMB.seq:*
30: /cgn2_6/ptodata/2/pna/US105.COMB.seq:*
31: /cgn2_6/ptodata/2/pna/US106.COMB.seq:*
32: /cgn2_6/ptodata/2/pna/US107.COMB.seq:*
33: /cgn2_6/ptodata/2/pna/US108.COMB.seq:*
34: /cgn2_6/ptodata/2/pna/US109.COMB.seq:*
35: /cgn2_6/ptodata/2/pna/US110.COMB.seq:*
36: /cgn2_6/ptodata/2/pna/US111.COMB.seq:*
37: /cgn2_6/ptodata/2/pna/US112.COMB.seq:*
38: /cgn2_6/ptodata/2/pna/US113.COMB.seq:*
39: /cgn2_6/ptodata/2/pna/US114.COMB.seq:*
40: /cgn2_6/ptodata/2/pna/US115.COMB.seq:*
41: /cgn2_6/ptodata/2/pna/US116.COMB.seq:*
42: /cgn2_6/ptodata/2/pna/US117.COMB.seq:*
43: /cgn2_6/ptodata/2/pna/US118.COMB.seq:*

```

```

44: /cgn2_6/ptodata/2/pna/US119.COMB.seq:*
45: /cgn2_6/ptodata/2/pna/US120.COMB.seq:*
46: /cgn2_6/ptodata/2/pna/US121.COMB.seq:*
47: /cgn2_6/ptodata/2/pna/US122.COMB.seq:*
48: /cgn2_6/ptodata/2/pna/US123.COMB.seq:*
49: /cgn2_6/ptodata/2/pna/US124.COMB.seq:*
50: /cgn2_6/ptodata/2/pna/US125.COMB.seq:*
51: /cgn2_6/ptodata/2/pna/US126.COMB.seq:*
52: /cgn2_6/ptodata/2/pna/US127.COMB.seq:*
53: /cgn2_6/ptodata/2/pna/US128.COMB.seq:*
54: /cgn2_6/ptodata/2/pna/US129.COMB.seq:*
55: /cgn2_6/ptodata/2/pna/US130.COMB.seq:*
56: /cgn2_6/ptodata/2/pna/US131.COMB.seq:*
57: /cgn2_6/ptodata/2/pna/US132.COMB.seq:*
58: /cgn2_6/ptodata/2/pna/US133.COMB.seq:*
59: /cgn2_6/ptodata/2/pna/US134.COMB.seq:*
60: /cgn2_6/ptodata/2/pna/US135.COMB.seq:*
61: /cgn2_6/ptodata/2/pna/US136.COMB.seq:*
62: /cgn2_6/ptodata/2/pna/US137.COMB.seq:*
63: /cgn2_6/ptodata/2/pna/US138.COMB.seq:*
64: /cgn2_6/ptodata/2/pna/US139.COMB.seq:*
65: /cgn2_6/ptodata/2/pna/US140.COMB.seq:*
66: /cgn2_6/ptodata/2/pna/US141.COMB.seq:*
67: /cgn2_6/ptodata/2/pna/US142.COMB.seq:*
68: /cgn2_6/ptodata/2/pna/US143.COMB.seq:*
69: /cgn2_6/ptodata/2/pna/US144.COMB.seq:*
70: /cgn2_6/ptodata/2/pna/US145.COMB.seq:*
71: /cgn2_6/ptodata/2/pna/US146.COMB.seq:*
72: /cgn2_6/ptodata/2/pna/US147.COMB.seq:*
73: /cgn2_6/ptodata/2/pna/US148.COMB.seq:*
74: /cgn2_6/ptodata/2/pna/US149.COMB.seq:*
75: /cgn2_6/ptodata/2/pna/US150.COMB.seq:*
76: /cgn2_6/ptodata/2/pna/US151.COMB.seq:*
77: /cgn2_6/ptodata/2/pna/US152.COMB.seq:*
78: /cgn2_6/ptodata/2/pna/US153.COMB.seq:*
79: /cgn2_6/ptodata/2/pna/US154.COMB.seq:*
80: /cgn2_6/ptodata/2/pna/US155.COMB.seq:*
81: /cgn2_6/ptodata/2/pna/US156.COMB.seq:*
82: /cgn2_6/ptodata/2/pna/US157.COMB.seq:*
83: /cgn2_6/ptodata/2/pna/US158.COMB.seq:*
84: /cgn2_6/ptodata/2/pna/US159.COMB.seq:*
85: /cgn2_6/ptodata/2/pna/US160.COMB.seq:*
86: /cgn2_6/ptodata/2/pna/US161.COMB.seq:*
87: /cgn2_6/ptodata/2/pna/US162.COMB.seq:*
88: /cgn2_6/ptodata/2/pna/US163.COMB.seq:*
89: /cgn2_6/ptodata/2/pna/US164.COMB.seq:*
90: /cgn2_6/ptodata/2/pna/US165.COMB.seq:*
91: /cgn2_6/ptodata/2/pna/US166.COMB.seq:*
92: /cgn2_6/ptodata/2/pna/US167.COMB.seq:*
93: /cgn2_6/ptodata/2/pna/US168.COMB.seq:*
94: /cgn2_6/ptodata/2/pna/US169.COMB.seq:*
95: /cgn2_6/ptodata/2/pna/US170.COMB.seq:*
96: /cgn2_6/ptodata/2/pna/US171.COMB.seq:*
97: /cgn2_6/ptodata/2/pna/US172.COMB.seq:*
98: /cgn2_6/ptodata/2/pna/US173.COMB.seq:*
99: /cgn2_6/ptodata/2/pna/US174.COMB.seq:*
100: /cgn2_6/ptodata/2/pna/US175.COMB.seq:*
101: /cgn2_6/ptodata/2/pna/US176.COMB.seq:*
102: /cgn2_6/ptodata/2/pna/US177.COMB.seq:*

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	509.2	92.4	547	1	Sequence 19, Appl
2	509.2	92.4	547	45	Sequence 19, Appl
3	488.6	88.7	6673	99	Sequence 95, App
4	486	88.2	13386	101	Sequence 87918, A

```
c 5 486 88.2 32768 75 US-60-213-178-297 Sequence 297, App
6 338.4 61.4 1794 45 US-10-059-579-120 Sequence 120, App
7 338.4 61.4 1794 45 US-10-059-579A-120 Sequence 120, App
8 169.4 30.7 627 31 US-09-710-281-4055 Sequence 4055, Ap
9 169.4 30.7 714 33 US-09-770-175-8431 Sequence 8431, Ap
10 160.8 29.2 210 38 US-08-790-774-9245 Sequence 9245, Ap
11 160.8 29.2 210 38 US-09-912-293-221180 Sequence 221180,
12 143.6 26.1 533 27 US-09-634-306B-196114 Sequence 196114,
13 143.6 26.1 533 27 US-10-027-632-196114 Sequence 196114,
14 123.4 22.4 624 33 PCT-US01-09339-8 Sequence 4736, Ap
15 120 21.8 562 15 PCT-US01-09339-8 Sequence 8, App11
16 120 21.8 562 15 US-09-016-387-5 Sequence 5, App11
17 120 21.8 562 24 US-09-549-342A-8 Sequence 8, App11
18 120 21.8 562 24 US-09-172-360-22042 Sequence 22042, A
19 120 21.8 563 61 US-09-100-454-1070 Sequence 1147, Ap
20 119 21.6 1590 15 US-09-016-387-1147 Sequence 1, App11
21 117 21.2 190 24 US-08-540-208-37787 Sequence 37787, A
22 117 21.2 190 24 US-10-237-435-6 Sequence 6, App11
23 116 21.1 561 86 US-09-834-566-4822 Sequence 4822, Ap
24 114 20.7 450 73 US-09-197-873-4822 Sequence 1070, Ap
25 114 20.7 450 73 US-09-100-454-1070 Sequence 3930, A
26 114 20.7 450 73 US-09-540-212A-3930 Sequence 1070, Ap
27 92 16.7 248 16 PCT-US99-10344-6 Sequence 6, App11
28 92 16.7 248 16 PCT-US99-10344-6 Sequence 6, App11
29 92 16.7 248 16 PCT-US99-10344-6 Sequence 6, App11
30 92 16.7 248 16 PCT-US99-10344-6 Sequence 6, App11
31 92 16.7 248 16 PCT-US99-10344-6 Sequence 6, App11
32 92 16.7 248 16 PCT-US99-10344-6 Sequence 6, App11
33 92 16.7 248 16 PCT-US99-10344-6 Sequence 6, App11
34 92 16.7 248 16 PCT-US99-10344-6 Sequence 6, App11
35 87 15.8 527 52 US-10-242-799-18 Sequence 18, App1
36 87 15.8 527 52 US-10-242-799-18 Sequence 18, App1
37 87 15.8 527 52 US-10-242-799-18 Sequence 18, App1
38 78 14.2 519 15 US-09-016-387-6 Sequence 27, App1
39 78 14.2 519 15 US-09-016-387-6 Sequence 27, App1
40 78 14.2 519 15 US-09-016-387-6 Sequence 27, App1
41 78 14.2 519 15 US-09-016-387-6 Sequence 27, App1
42 78 14.2 519 15 US-09-016-387-6 Sequence 27, App1
43 78 14.2 519 15 US-09-016-387-6 Sequence 27, App1
44 78 14.2 519 15 US-09-016-387-6 Sequence 27, App1
45 78 14.2 519 15 US-09-016-387-6 Sequence 27, App1
```

ALIGNMENTS

```
RESULT 1
PCT-US02-05403-19
: Sequence 19, Application PC/TUS0205403
: GENERAL INFORMATION:
: APPLICANT: Dana-Farber Cancer Institute, Inc.
: TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
: FILE REFERENCE: 00530-094W01
: CURRENT APPLICATION NUMBER: PCT/US02/05403
: CURRENT FILING DATE: 2002-02-22
: PRIOR FILING DATE: 2001-02-23
: PRIOR APPLICATION NUMBER: 60/351,908
: PRIOR FILING DATE: 2002-01-25
: NUMBER OF SEQ ID NOS: 32
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 19
: LENGTH: 547
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 186
: OTHER INFORMATION: n = C or G
PCT-US02-05403-19
```

```
Query Match 92.4% Score 509.2; DB 1; Length 547;
Best Local Similarity 97.8%; Pred. No. 1e-76;
```

```
Matches 539; Conservative 0; Mismatches 8; Indels 4; Gaps 2;
OY 1 CGCGCGGAGAGCGCGCGGAGTGAAGAGCGCTGATGCTCCAGGCGCTCCACCTCCAGG 60
1 CGCGCGGAGAGCGCGCGGAGTGAAGAGCGCTGATGCTCCAGGCGCTCCACCTCCAGG 60
1 CGCGCGGAGAGCGCGCGGAGTGAAGAGCGCTGATGCTCCAGGCGCTCCACCTCCAGG 60
OY 61 CGCAGAGGCGCGCGCGGAGGAGAGCGCGCGCTGATGCTCCAGGCGCTCCAGG 120
61 CGCAGAGGCGCGCGCGGAGGAGAGCGCGCGCTGATGCTCCAGGCGCTCCAGG 120
61 CGCAGAGGCGCGCGCGGAGGAGAGCGCGCGCTGATGCTCCAGGCGCTCCAGG 120
61 CGCAGAGGCGCGCGCGGAGGAGAGCGCGCGCTGATGCTCCAGGCGCTCCAGG 120
OY 121 CAGGAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 180
121 CAGGAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 180
121 CAGGAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 177
121 CAGGAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 177
OY 181 CGCTCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240
181 CGCTCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240
181 CGCTCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 236
181 CGCTCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 236
OY 241 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
241 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
241 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296
241 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296
OY 301 CTTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 360
301 CTTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 360
301 CTTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 356
301 CTTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 356
OY 361 GGGCAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 420
361 GGGCAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 420
361 GGGCAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 416
361 GGGCAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 416
OY 421 AGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 480
421 AGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 480
421 AGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 476
421 AGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 476
OY 481 CCGGCTATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 540
481 CCGGCTATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 540
481 CCGGCTATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 536
481 CCGGCTATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 536
OY 541 GCCCGCGGCGC 551
541 GCCCGCGGCGC 551
541 GCCCGCGGCGC 547
541 GCCCGCGGCGC 547
Db 537 GCCCGCGGCGC 547
```

```
RESULT 2
US-10-081-817-19
: Sequence 19, Application us/10081817
: GENERAL INFORMATION:
: APPLICANT: Polyak, Kornelia
: APPLICANT: Porter, Dale
: APPLICANT: Sirop, Dennis
: TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
: FILE REFERENCE: 00530-094001
: CURRENT APPLICATION NUMBER: US/10/081,817
: CURRENT FILING DATE: 2002-05-31
: PRIOR FILING DATE: 2001-02-23
: PRIOR APPLICATION NUMBER: 60/351,908
: PRIOR FILING DATE: 2002-01-25
: NUMBER OF SEQ ID NOS: 32
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 19
: LENGTH: 547
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 186
: OTHER INFORMATION: n = C or G
US-10-081-817-19
```

```
Query Match 92.4% Score 509.2; DB 45; Length 547;
Best Local Similarity 97.8%; Pred. No. 1e-76;
```

	Matches	539:	Conservative	0:	Mismatches	8:	Indels	4:	Gaps	2:
OY		1	CGGCGGGAGAGCGGGCCGGGAGTGAAGGCTCATGTGCTCCTGGCGCTCACCTCCCCAG							60
Db		1	CGGCCTGGGGAAGCGGGCCGGGATGAGGCTATATCTCTCCCTGGCGCTCACCTCCCCAG							60
OY		61	CGCAAGAAGGCCCCCAAGAGAACCCCATATGGCCCGACGCTTTGGCAGAGCTTGAGATCAAGG							120
Db		61	CGCAAGAAGGCCCCCAAGAGAACCCCATATGGCCCGACGCTTTGGCAGAGCTTGAGATCAAGG							120
OY		121	CAGGGACCAGGAGACCAAGAACTGCGCCGCCGCCGCCCTGCTGCGCGCAGGSAAGCT							180
Db		121	CAGGAGACAGGAGACCAAGAACTGCGCCGCCGCCGCCCTGCTGCGCGC--AGSAACT							177
OY		181	CCCTACCCNAGAGGAGACTCCCCTACCCCGGCCAAGCCTTCGAGGGGGGCGCTGGGGTTC							240
Db		178	CCCTACCCNAGAGGAGAGCTCCCCTACCCCGGCCAAGCCTTCGAGGGGGGCGCTGGGGTTC							236
OY		241	AGACCGCAAGCGAAGGTGCGGGCCGGGGTGGGCTTCGCGAGACAAGAGCCGGGCTGC							300
Db		237	AGACCGCAAGCGAAGGTGCGGGCCGGGGTGGGCTTCGCGAGACAAGAGAGCCGGGCTGC							296
OY		301	CTCTCTCAGAGGGGCCCCCAAGCGCTGCCCAAGAGGAATCTCGAGGCCCGGGCAGGAAAG							360
Db		297	CTCTCTCAGAGGGGCCCCCAAGCGCTGCCCAAGAGGAATCTCTGAGGCCCGGGCAGGAAAG							356
OY		361	GGGCAAGGGCTTCCCGAGGGCCCGCGCGCGAGCAGGAAGTTTGGCAGAGCGACGGCCGTG							420
Db		357	GGGCAAGGGCTTCCCGAGGGCCCGCGCGCGAGCAGGAAGTTTGGCAGAGCGACGGCCGTG							416
OY		421	AGCGAGAGGGGACAGGGCTTCTCAGAGAGCGCGGGCGAGAGCGGCGCTGGAAGGGCGAAGA							480
Db		417	AGCGAGAGGGGACAGGGCTTCTCAGAGAGCGCGGGCGAGAGCGGCGCTGGAAGGGCGAAGA							476
OY		481	CCGGGTATAAAGACCTCTGTGGCCTTGGCCCGGAGCGCAGAGATTCCCGCGCGGCCCGGA							540
Db		477	CCGGGTATAAAGACCTCTGTGGCCTTGGCCCGGAGCGCAGAGATTCCCGCGCGGCCCGGA							536
OY		541	GCCCGCGGGCC 551 							
Db		537	GCCCCCGGGCC 547							
		RESULT 3								
		US-60-449-155-995								
		Sequence 995: Application US/60449155								
		GENERAL INFORMATION:								
		APPLICANT: Keith Tim								
		TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID SEQUENCES								
		TITLE OF INVENTION: RELATING TO RESPIRATORY DISEASES AND OBESITY								
		FILE REFERENCE: HMO2-11P								
		CURRENT APPLICATION NUMBER: US/60/449,155								
		CURRENT FILING DATE: 2003-02-20								
		NUMBER OF SEQ ID NOS: 1000								
		SOFTWARE: FastSeq for Windows Version 4.0								
		SEQ ID NO 995								
		LENGTH: 66743								
		TYPE: DNA								
		ORGANISM: Human								
		US-60-449-155-995								

Query Match	88.7%	Score 488.6	DB 99	Length 66743
Best Local Similarity	95.8%	Pred. No. 1.8e-73		
Matches 529	Conservative	0	Mismatches 5	Indels 18
			Gaps 2	
QY	1	CGGCGGGGAGGCGGCGGAGTGGAGGCTGATGCTGTCGCGGCGGCTCCACAGCCGCCAG	60	
Db	62043	CGGCGGGGAGGCGGCGGCGGAGTGGAGGCTGATGCTGTCGCGGCGGCTCCACAGCCGCCAG	6210	
QY	61	CGCAGAGGCGCCACAGAGACCCCGATGCTCCAGCTTGGATCAGAG	120	
Db	62103	CGCAGAGGCGCCACAGAGACCCCGATGCTCCAGCTTGGATCAGAG	62163	

QY	121	AGGAGCCAGGGAGGACAGAACTGGGGCGCCCGCCGCTTGGCTTGGCGAGAGGAAGCT	180
Db	62163	CAGGAGCCAGGAGGACAGAACTGGCGCGCCCCCGCCCTTGGCTGGCGAGAGGAAGCT	62222
QY	181	CCCTCAGCCNGAGGAAAGCTCCCTCACAACCGGGCCAGCCCTCGAGAGGGGGGCGCTGGGGTTC	240
Db	62223	CCCCCTCAC-----CCGGCCCAACCTTCAGAGGGGGGCGCTGGGGTTC	62265
QY	241	AGACGGCAAGAGGAAGTGTGGGGGCTGGGCTCGGCGAGACAAAGCCGGGCGCTGC	300
Db	62266	AAGCCGCAAGAGGAGTGTGGGCGGGGCTGGGCTGTGCGGAGACAAAGCCGGGCTGC	62325
QY	301	CT-CTCTCAGAGGGGCCCGCAGCGCTGCCAAGAGAAAGTCTCTGAGGGCCCGGGCAGGGAAG	359
Db	62326	CTGCTCTCAGAGGGGCCCGCAGCGCTGTCCCAAGAGAAAGTCTCTGAGGGCCCGGGCAGGGAAG	62385
QY	360	GGGGCAGCAGGGCTTCCCAAGGGGCCGGCGGCCGACAGCAAGTTGGTCCAGGGCACGGCCCT	419
Db	62386	GGGGCAGCAGGGCTTCCCAAGGGGCCGGCGGCCGACAGCAAGTTGGTCCAGGGCACGGCCCT	62445
QY	420	GAGCGGAGCGGGCAGGGCTTCTCAGAGAGCGCGGCGAGAGGCCGCGCTTGAAGGGGCGAAG	479
Db	62446	GAGCGGAGCGGGCAGGGCTTCTCAGAGAGCGCGGCGAGAGGCCGCGCTTGAAGGGGCGAAG	62505
QY	480	ACCGGGTATTAAGAACGCTCTGTGGCTTGGCCGAGGACAGCCGCAAGTTCCCGCGCGCCCG	539
Db	62506	ACCGGGTATTAAGAACGCTCTGTGGCTTGGCCGAGGACAGCCGCAAGTTCCCGCGCGCCCG	62565
QY	540	AGCCCGCGCGCC	551
Db	62566	AGCCCGCGCGCC	62577

```

RESULT 4
US-60-466-412-87918
:
: Sequence 87918, Application US/60466412
: GENERAL INFORMATION:
: APPLICANT: CARGILL, Michele
: APPLICANT: IAKOUBOVA, Olga
: TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
: TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: CL001466
: CURRENT APPLICATION NUMBER: US/60/466,412
: CURRENT FILING DATE: 2003-04-30
: NUMBER OF SEQ ID NOS: 429241
: SOFTWARE: fastseq for Windows Version 4.0
: SEQ ID NO 87918
:
: LENGTH: 13386
:
: TYPE: DNA
:
: ORGANISM: Homo sapiens
:
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(13386)
: OTHER INFORMATION: n = A,T,C or G
US-60-466-412-87918

```

Query Match	Match Similarity	88.2%	Score 486;	Len 101;	Length 13386;
Best Local	Similarity	95.7%	Pred. No. 5	De-73;	
Matches	528;	Conservative	0;	Mismatches	5; Indels 19; Gaps 2;
QY	1	CGGGCGGGGAGAGGGCGGGCGGGAGTAGAGGCTGATGTGCTCGGCGGCTCCACCTCCCGAGG	60		
Db	5491	CGGGCGGGGAGAGGGCGGGCGGGAGTAGAGGCTGATGTGCTCGGCGGCTCCACCTCCCGAGG	5550		
QY	61	CGCGAAGAGGGCCCGACAGAGAGAGCCCGCAATGGCCCGACAGCTGCGACGTTGGAGTACAGAG	120		
Db	5551	CGCGAAGAGGGCCCGACAGAGAGAGCCCGCAATGGCCCGACAGCTGCGACGTTGGAGTACAGAG	5610		
QY	121	CAGGAGCCAGGAGAGCCAGGAATGCGCGCCCGCCGACCTTCGCTCGGCGAGGAGAACT	180		
Db	5611	CAGGAGCCAGGAGAGCCAGGAATGCGCGCCCGCCGACCTTCGCTCGGCGAGGAGAACT	5670		
QY	181	CCCTTCACCCAGAGGAGAAAGCTCCCTTCACCCAGGCGCCAGCCCTTCAGAGGGGGCCGTTGGGGTTC	240		

Db 5671 C-----CCCTCACCCGCGGCCCGAGCCCTGAGGGGGCGCTGGGGTTC 5712
QY 241 AGACCGCAAAAGCGAAGTTCGCGGGCGGCTTCGCGGAGCAAAAGCGGGCCCTGC 300
Db 5713 AGACCGCAAAAGCGAAGTTCGCGGGCGGCTTCGCGGAGCAAAAGCGGGCCCTGC 5772
QY 301 CT-CTCTCAGAGGGCCCGCCAGCGCCCTCCAGAGGAAGTCTTCGAGGCCCGGGGAGAG 359
Db 5773 CTGCTCTCAGAGGGCCCGCCAGCGCCCTCCAGAGGAAGTCTTCGAGGCCCGGGGAGAG 5832
QY 360 GGGGCAAGGGCTTCCAGAGGGCCCGCGGCGGAGAGGAAGTTCGAGGCCCGGGGAGAG 419
Db 5833 GGGGCAAGGGCTTCCAGAGGGCCCGCGGCGGAGAGGAAGTTCGAGGCCCGGGGAGAG 5892
QY 420 GAGCGGAGCGGGCGGCTTCTCAGAGAGCGCGGGCGAGAGCGCGGCTGAGAGGGGAGAG 479
Db 5893 GAGCGGAGCGGGCGGCTTCTCAGAGAGCGCGGGCGAGAGCGCGGCTGAGAGGGGAGAG 5952
QY 480 ACCGGGTATTAAGAAAGCTCTGTCGAGAGCGCGGGCGAGAGGTTCCCGCGCGCCCG 539
Db 5953 ACCGGGTATTAAGAAAGCTCTGTCGAGAGCGCGGGCGAGAGGTTCCCGCGCGCCCG 6012
QY 540 AGCCCCCGCGCC 551
Db 6013 AGCCCCCGCGCC 6024

RESULT 5
US-60-213-178-297/C
; Sequence 297, Application US/60213178
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: C1000689
; CURRENT APPLICATION NUMBER: US/60/213,178
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 1425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 297
; LENGTH: 32768
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(32768)
; OTHER INFORMATION: n A,T,C or G
US-60-213-178-297

Query Match 8.2%; Score 486; DB 75; Length 32768;
Best Local Similarity 95.7%; Pred. No. 5,3e-73;
Matches 528; Conservative 0; Mismatches 5; Indels 19; Gaps 2;

QY 1 CGGCGGGGAGGCGCGCGGAGTGAAGGCTGATGCTGCGCGCGCTCCCAACTCCAGG 60
Db 4015 CGGCGGGGAGGCGCGCGGAGTGAAGGCTGATGCTGCGCGCGCTCCCAACTCCAGG 3956
QY 61 CGCAAAAGCGCCACAGAGACCCCAAGTCGCGGAGCTTGCCAGGCTTGAGATCAGAG 120
Db 3955 CGCAAAAGCGCCACAGAGACCCCAAGTCGCGGAGCTTGCCAGGCTTGAGATCAGAG 3896
QY 121 CAGGAGCAGAGGAGGAACTGCGCGCGCGCGCGCGCTGCGCGGAGGAAAGCT 180
Db 3895 CAGGAGCAGAGGAGGAACTGCGCGCGCGCGCGCGCTGCGCGGAGGAAAGCT 3836
QY 181 CCTCACCAGGAGGAGGAGTCTCACCAGGCGCGGAGCTTCAGAGGGGGGCGGTGAGGTC 240
Db 3835 C-----CCTCACCAGGAGGAGGAGTCTCACCAGGCGCGGAGCTTCAGAGGGGGGCGGTGAGGTC 3794
QY 241 AGACCGCAAAAGCGAAGTTCGCGGGCGGCTGCGGAGGAGCAAAAGCGGGCCCTGC 300

Db 3793 AGACCGCAAAAGCGAAGTTCGCGGGCGGCTTCGCGGAGCAAAAGCGGGCCCTGC 3734
QY 301 CT-CTCTCAGAGGGCCCGCCAGCGCCCTCCAGAGGAAGTCTTCGAGGCCCGGGGAGAG 359
Db 3733 CTGCTCTCAGAGGGCCCGCCAGCGCCCTCCAGAGGAAGTCTTCGAGGCCCGGGGAGAG 3674
QY 360 GGGGCAAGGGCTTCCAGAGGGCCCGCGGCGGAGAGGAAGTTCGAGGCCCGGGGAGAG 419
Db 3673 GGGGCAAGGGCTTCCAGAGGGCCCGCGGCGGAGAGGAAGTTCGAGGCCCGGGGAGAG 3614
QY 420 GAGCGGAGCGGGCGGCTTCTCAGAGAGCGCGGGCGAGAGCGCGGCTGAGAGGGGAGAG 479
Db 3613 GAGCGGAGCGGGCGGCTTCTCAGAGAGCGCGGGCGAGAGCGCGGCTGAGAGGGGAGAG 3554
QY 480 ACCGGGTATTAAGAAAGCTCTGTCGAGAGCGCGGGCGAGAGGTTCCCGCGCGCCCG 539
Db 3553 ACCGGGTATTAAGAAAGCTCTGTCGAGAGCGCGGGCGAGAGGTTCCCGCGCGCCCG 3494
QY 540 AGCCCCCGCGCC 551
Db 3493 AGCCCCCGCGCC 3482

RESULT 6
US-10-059-579-120
; Sequence 120, Application US/10059579
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: SUKUMAR, Saraswati
; APPLICANT: EYRON, Ella
; APPLICANT: DOOLEY, William C.
; APPLICANT: DAVIDSON, Nancy
; APPLICANT: FACKLER, Mary Jo
; TITLE OF INVENTION: ABRUPTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
; FILE REFERENCE: JHU630-1
; CURRENT APPLICATION NUMBER: US/10/059,579
; PRIOR FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US 09/771,357
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 120
; LENGTH: 1794
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (359)...(1794)
; OTHER INFORMATION: n is any nucleotide
US-10-059-579-120

Query Match 61.4%; Score 338.4; DB 45; Length 1794;
Best Local Similarity 97.8%; Pred. No. 6,9e-48;
Matches 354; Conservative 0; Mismatches 6; Indels 2; Gaps 1;

QY 190 GAGGAAAGTCCCTCCACCGCGCGCGGAGTGAAGGCTGAGGGGGCGCTGAGGAGCGCAA 249
Db 812 GAGGAAAGTCCCTCCACCGCGCGCGGAGTGAAGGCTGAGGGGGCGCTGAGGAGCGCAA 869
QY 250 ACGGAAGTTCGCGGGCGGGGAGTGGCTTCGCGGAGCAAAAGCGCGGCTTCTCTCAG 309
Db 870 ACGGAAGTTCGCGGGCGGGGAGTGGCTTCGCGGAGCAAAAGCGCGGCTTCTCTCAG 929
QY 310 AGGGCCCGCAGCGCTGCGCAAGAGAGTCTTCGAGGGCGCGGCGAGGAGGAGGAGGAGG 369
Db 930 AGGGCCCGCAGCGCTGCGCAAGAGAGTCTTCGAGGGCGCGGCGAGGAGGAGGAGGAGG 989
QY 370 CTTCAGAGGGCGCGGCGCGCGAGAGGAAAGTTCGAGGAGGAGCGCGCTGAGGAGGAGC 429
Db 990 CTTCAGAGGGCGCGGCGCGCGAGAGGAAAGTTCGAGGAGGAGCGCGCTGAGGAGGAGC 1049
QY 430 GGCAGGGCTTCTCAGAGAGCGCGGGCGGAGGCTTCGAGAGGGGAGGAGCGGGTATA 489

D _b	1050	GCGAGGGCTTTCACAGGAGCGCGCGCCGCGCTGTGAGGGGGAGAGCATGGGTATA	1109
OY	490	AGAAGCCTCGTGCGCTTTGCCCGGGCAAGCTTCCCCGGCGGCCGCAGCACC	549
D _b	1110	AGAAGCCTCGTGCGCTTTGCCCGGGCAAGCTTCCCCGGCGGCCGCAGCACC	1169
OY	550	CC 551	
D _b	1170	CC 1171	

```

RESULT 7
US-10-059-579A-120
; Sequence 120, Application US/10059579A
; GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
APPLICANT: SUKUMAR, Saraswati
APPLICANT: EVRON, Ella
APPLICANT: DOOLEY, William C.
APPLICANT: DAVIDSON, Nancy
APPLICANT: FACKLER, Mary Jo.
TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
FILE REFERENCE: JHU1630-1
CURRENT APPLICATION NUMBER: US/10/059,579A
CURRENT FILING DATE: 2002-01-28
PRIOR APPLICATION NUMBER: US 09/771,357
PRIOR FILING DATE: 2001-01-26
NUMBER OF SEQ ID NOS: 136
SOFTWARE: PatentIn version 3.1
SEQ ID NO 120
LENGTH: 1794
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (359)..(359)
OTHER INFORMATION: n is any nucleotide
US-10-059-579A-120

```

RESULT 8

```

US-09-710-281-4055
; Sequence 4055, Application US/09/10281
;
; GENERAL INFORMATION:
;
; APPLICANT: Hunter, John J.
; APPLICANT: Shyjan, Andrew W.
; APPLICANT: Sebda, Hilde
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.285-001
; CURRENT APPLICATION NUMBER: US/09/710,281
; CURRENT FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: 60/164,254
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 5803
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 4055
;
; LENGTH: 627
;
; TYPE: DNA
; ORGANISM: Homo sapiens
;
; US-09-710-281-4055

```

```

RESULT 9
US-09-770-175-8431
: Sequence 8431, Application US/09770175
: GENERAL INFORMATION:
: APPLICANT: Geiering, David P.
: APPLICANT: Holzman, Douglas A.
: TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USRS
: TITLE OF INVENTION: THEREFOR
: FILE REFERENCE: 1600.2058-001
: CURRENT APPLICATION NUMBER: US/09/770,175
: CURRENT FILING DATE: 2001-01-26
: PRIOR APPLICATION NUMBER: US 60/178,874
: PRIOR FILING DATE: 2000-01-28
: NUMBER OF SEQ. ID NOS: 8967
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 8431
: LENGTH: 714
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-770-175-8431
Query Match      30.7%;      Score 169.4; DB 33; Length 714;
Best Local Similarity 96.6%; Pred. No. 3e-19;
Matches 173; Conservative 0; Mismatches

```

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.rnrm

Page 6

Db 131 AGCTCTGTCCTTGGCCGGGCGACGCGCAGGTTCCCGCGCGCCGACGCCGCCGCCGCC 189

RESULT 10

US-08-790-774-9245

Sequence 9245, Application US/08790774

GENERAL INFORMATION:

APPLICANT: Craig A. Rosen

TITLE OF INVENTION: Human Genes, Sequences, and Expression Products - 20

NUMBER OF SEQUENCES: 9715

CORRESPONDENCE ADDRESS:

ADDRESS: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII, Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/790,774

FILING DATE: JAN-30-1997

CLASSIFICATION: 1536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/010,822

FILING DATE: JAN-30-1996

ATTORNEY/AGENT INFORMATION:

NAME: Michele M. Wales

REGISTRATION NUMBER: P-43,975

REFERENCE/DOCKET NUMBER: PO20

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 9245:

SEQUENCE CHARACTERISTICS:

LENGTH: 210 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-790-774-9245

Query Match 29.2%; Score 160.8; DB 12; Length 210;

Best Local Similarity 91.0%; Pred. No. 9,7e-18;

Matches 162; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 374 CCAGGGCCGCCGCCGCGCGACGAGTGGCCAGGCGGCGCGCGGCGGCGCA 433

Db 9 CCANGNCCGCCGCCGCGCGACGAGTGGCCAGGCGGCGCGCGGTAGCGGNNCGCA 68

QY 434 GGGCTTTCAGAGCGCGGCGGCGGCGCTGAGGGCGGAGACCGGGTATAGAA 493

Db 69 GGGGNTTTCAGAGNNCGCGGCGGCGGCGCTGAGGGCGGAGACCGGGTATAGAA 128

QY 494 GCCTCGTGGCTTGGCCGCCGCGGCGACGCGGCGGCGCGCGCGCGCGCC 551

Db 129 GCCTCGTGGCTTGGCCGCCGCGGCGGCGGCGGCGGCGCGCGCGCGCGG 186

RESULT 11

US-09-912-293-221180

Sequence 221180, Application US/09912293

GENERAL INFORMATION:

APPLICANT: Rosen, et. al.

TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 100

FILE REFERENCE: PO-100

CURRENT APPLICATION NUMBER: US/09/912,293

CURRENT FILING DATE: 2001-07-26

PRIOR APPLICATION NUMBER: 08/103,744

PRIOR FILING DATE: 1993-08-09

PRIOR APPLICATION NUMBER: 09/249,651

PRIOR FILING DATE: 1999-02-12

PRIOR APPLICATION NUMBER: 08/104,507

PRIOR FILING DATE: 1993-08-09

PRIOR APPLICATION NUMBER: 08/196,363

PRIOR FILING DATE: 1994-02-15

PRIOR APPLICATION NUMBER: 09/859,490

PRIOR FILING DATE: 2001-05-18

PRIOR APPLICATION NUMBER: 08/196,362

PRIOR FILING DATE: 1994-02-15

PRIOR APPLICATION NUMBER: 08/221,623

PRIOR FILING DATE: 1994-03-31

PRIOR APPLICATION NUMBER: 08/220,691

PRIOR FILING DATE: 1994-03-31

PRIOR APPLICATION NUMBER: 08/741,830

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 09/813,155

PRIOR FILING DATE: 2001-03-21

Remaining Prior Application data removed - See file wrapper or PALM.

NUMBER OF SEQ ID NOS: 244538

SEQ ID NO 221180

LENGTH: 210

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc-feature

LOCATION: (12)..(12)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (15)..(15)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (61)..(62)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (66)..(66)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (73)..(73)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (81)..(83)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (103)..(103)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (136)..(138)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (142)..(142)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (155)..(155)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (185)..(185)

OTHER INFORMATION: n is equal to a,t,g, or c

FEATURE:

NAME/KEY: misc-feature

LOCATION: (200)..(200)

OTHER INFORMATION: n is equal to a,t,g, or c

US-09-912-293-221180


```
Db 241 AGACCGCAAGCGAAGGTGCGGGCCGGGGTGGGCTCTGGGAGACAAAGCGGGGCTGCG 300
|||
QY 301 CTCTCTAGAGGGGCGCCAGGCGCTTGCACAGAGAACTCTCGAGGCGCCGGGAGGAGG 360
|||
Db 301 CTCTCTAGAGGGGCGCCAGGCGCTTGCACAGAGAACTCTCGAGGCGCCGGGAGGAGG 360
|||
QY 361 GGGGACGCGCTTCCAGGCGCCGCGCGGCGACAGAAAGTTGGCCAGGCGCGCGT 420
|||
Db 361 GGGGACGCGCTTCCAGGCGCCGCGCGGCGACAGAAAGTTGGCCAGGCGCGCGT 420
|||
QY 421 AGCGAGCGGCGCAGGCGCTTCTCAGAGCGCGGCGAGCGCCGCGCTGGAGGGGCGAGGA 480
|||
Db 421 AGCGAGCGGCGCAGGCGCTTCTCAGAGCGCGGCGAGCGCCGCGCTGGAGGGGCGAGGA 480
|||
QY 481 CCGGGTATTAAGAAACCTCGTGGCTTCCCGGCGAGCGCCAGAGTTCCCGCGCGCCCGCA 540
|||
Db 481 CCGGGTATTAAGAAACCTCGTGGCTTCCCGGCGAGCGCCAGAGTTCCCGCGCGCCCGCA 540
|||
QY 541 GCGCGCGCGCGC 551
|||
Db 541 GCGCGCGCGCGC 551
|||
```

```
RESULT 2
PCT-US03-21379-7/c
; Sequence 7, Application PC/TUS0321379
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: MCHRS AS MODIFIERS OF THE CHK1 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX03-047C-PC
; CURRENT APPLICATION NUMBER: PCT/US03/21379
; CURRENT FILING DATE: 2003-07-09
; PRIOR APPLICATION NUMBER: US 60/394,845
; PRIOR FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/410,986
; PRIOR FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 1100
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 7
; LENGTH: 1133
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US03-21379-7
```

```
Query Match 9.5%; Score 52.6; DB 1; Length 1133;
Best Local Similarity 49.8%; Pred. No. 0.064;
Matches 160; Conservative 0; Mismatches 159; Indels 2; Gaps 1;
```

```
QY 231 GCGTGGGTCAAGCCCGAAAGCGAAGTGTGCGGCGCGGGTGGGCTCTCGGAGACAAAG 290
|||
Db 410 GCTTGGCGAGTCCGGGAAGGACACGGGTGCTCTTGGCGCGGCGGAGGGCGCGCG 351
|||
QY 291 CCGGGCTGCTCTCTCAGAGGCGCCCAAGCGCTGCCAAGAGAACTCTCGAGGCGCGG 350
|||
Db 350 CCGGGCGCGCGCGCCGAGAGCGGAGACGCGGCTGAGAGAGAGAGCGCGCGAGCG 291
|||
QY 351 GCAGGAGAGGAGCGGCGCTTCCAGAGGCGCGCGCGCGAGCAGAGAAAGTTGGCGAGGG 410
|||
Db 290 CCGCGCGGCGCGCTCGGGGTCCGCGCGCAGAGTCCGCGCGAGGCGCGAGCA 233
|||
QY 411 CAGGCGCGGTGAGCGAGCGGCGAGGCGCTTCTCAGAGAGCGCGGCGAGCGCGCGCTGGA 470
|||
Db 232 GGTGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 173
|||
QY 471 GGGGCGAGAGCGCGGTATTAAGAACTCTGTGGCTTCCCGGCGAGCGCCAGAGTTCCCG 530
|||
Db 172 GCGCGGCGGTCCGCGGAGCGCGCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 113
|||
QY 531 GCGCGCGCGCGCGCGCGCGCGC 551
|||
Db 112 CCGGGCGCGCGCGCTCTCGGGCG 92
|||
```

```
RESULT 3
US-10-425-114A-33423/c
; Sequence 33423, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Jihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 33423
; LENGTH: 1431
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-2MFLMO17113E12.FLI
US-10-425-114A-33423
```

```
Query Match 9.5%; Score 52.6; DB 6; Length 1431;
Best Local Similarity 44.7%; Pred. No. 0.066;
Matches 244; Conservative 0; Mismatches 300; Indels 2; Gaps 1;
```

```
QY 8 GGAGCGCGCGGAGTGAAGCGCTGATCGTCCCTGGCGCGCTCCACTCCCGAGCGCGAGAA 67
|||
Db 679 GGGGGGCTCTGAGAGGGCGCGCAGCAGCGCGCTCCGCTTCCCGCGGGGCTGGCG 620
|||
QY 68 GGGCGCCACAGAGAGCGCCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 127
|||
Db 619 GGGCTGTCTCTGCGCGAGCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 560
|||
QY 128 CAGGAGCCAGGAACTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 187
|||
Db 559 TCGCGGGGCGCGCTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 500
|||
QY 188 CAGGAGGAGCTCCCTCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 247
|||
Db 499 CCGCGCGCTGGGCGGTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 440
|||
QY 248 AAGCGAAGGTGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 307
|||
Db 439 GAGAGCCAGCGGAGAGCGCTCGAGGCTCTCGGCGCGCGCGCGCGCGCGCGCGCGCGCG 380
|||
QY 308 AGAGGCGCCACAGCGCTGCGCAAGAGAAAGTCTCGAGGCGCGCGCGCGCGCGCGCGCG 367
|||
Db 379 GGTGGTCTCTCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 320
|||
QY 368 GGTTCACAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 425
|||
Db 319 CAGGCGCGCGAGCAGACAGCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGAG 260
|||
QY 426 AGCGGCGAGGCGCTTCTCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 485
|||
Db 259 CGCGCTGAGAGGCGTCTTGTGGTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGAG 200
|||
QY 486 TATAAGAACTCGTGGGCGCTTCCCGGCGAGCGCGAGTTCCCGCGCGCGCGCGCGCGCG 545
|||
Db 199 GAGCGGACACAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 140
|||
QY 546 GCGCGC 551
|||
Db 139 CCGCGC 134
|||
```

```
RESULT 4
US-60-487-610-19981
; Sequence 19981, Application US/60487610
```

```

; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: HUANG, Hongjin
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001469
; CURRENT APPLICATION NUMBER: US/60/487,610
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 97101
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19981
; LENGTH: 147727
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(147727)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-60-487-610-19981

Query Match          9.5%; Score 52.4; DB 7; Length 147727;
Best Local Similarity 47.8%; Pred. No. 0.13;
Matches 184; Conservative 0; Mismatches 197; Indels 4; Gaps 1;

OY 166 GGGCGGAGGAGAGCTCCCTACACGAGGAGAGCTCCCTACCGGCGCCAGCCCTGACAG 225
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 5998 GGAGGGGGAGAGGTGCGGCTGATGGGGAGCCGCTCCAGAGGGGGCCCCCGCCCTG 6057
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 226 GGGGCGGTGGGTGACACGGCAAGGAGAGTGGGGGGGGGGGGGCTGCGGAGAG 285
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 6058 TGCCCATGGCGGCGCCCTTMAAGAGCCCGCCTGGCTCGTATCGGGCGCGGCGAC 6117
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 286 AAAGCGGCGCTCTCTCTCAGAGGCGCCCGCCGCGCGACGAGAGTCTCGAGG 345
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 6118 CTCCCGCGGCGCTCCCTCTCTCGGCGCAGATGCGGGCGCGGGAGT----GCGG 6173
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 346 CCGGCGAGGAGAGGAGGCGACGGGCTCCCAAGGCGCGCGCGCGCGACGAGAGTGGC 405
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 6174 CGAAGCGCGGCTGCTAGCTTACGCTCCGAGGAGGCGGCGCGCGCGCGCGACGCG 6233
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 406 CAGGCGACGCGCTGAGCGGAGCGGCGAGGCGCTTCTCAGAGCGCGGCGGAGCGCGCG 465
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 6234 GCGGCGGCGGCTGTGGGCGGCTGCGGAGGCGAGAGCGCGCGCGGCGGCGTGGCCA 6293
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 466 CTGAGGCGGCGAGGACCGCGGTATTAAGAACCTCGTGCCCTTGGCGGCGACCGCGAGTT 525
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 6294 GAGTCTGGCGGCGGCTGGCGGAGCGGAGACGCGCCCGCGCTCGCGCTGCGGAGGAG 6353
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 526 CCGCGCGGCGCGCGCGAGCCCGCGCGC 550
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 6354 CCGCGCACACATAGCGCGCGCGC 6378
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 5
US-60-487-610-1384
; Sequence 1384, Application US/60487610
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: HUANG, Hongjin
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001469
; CURRENT APPLICATION NUMBER: US/60/487,610
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 97101
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1384
; LENGTH: 4989
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-487-610-1384
```

```

Query Match          9.5%; Score 52.2; DB 7; Length 4989;
Best Local Similarity 47.9%; Pred. No. 0.093;
Matches 182; Conservative 0; Mismatches 194; Indels 4; Gaps 1;

OY 171 GAGGAGAGTCCCTCCACGAGGAGAGCTCCCTCCACCGGCGCCAGCCCTGAGGGGGG 230
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2 GGGGAGAGGTGGCGGCTCGATGGGGAGCGCCCTCCAGAGGGGGCCCCCGCTGTGGCC 61
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 231 GCGTGGGATCAGACCGCAAGGTGGGGGCGGGGGGCTGCGCGAGACAAAG 290
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 62 ACGGGCGGGCGCCCTTAAAGAGGGCGCGCTGCTCCGATCCCGCGCGGCGCACCTGCC 121
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 291 CCGGCGTGGCTCTCTCAGAGGGGGCGCCAGCGCTGCCAAGAGAGTCTCAGAGCGCCG 350
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 122 CCGGCGCTCCCTCTCTCTGCGGCGCAAGTGGCGCGCGCGCGGAGT---GCGGCGAGA 177
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 351 GCAGGAAAGGGGAGCGGCTTCCAGAGGCGCGCGCGCGCGCGCAGAGAGTGGCCAGG 410
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 178 GCGGCTGGCTGAGCTTAGCTCCGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 237
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 411 CACGCGCTGAGCGGAGCGGCGAGGCTTCTCAGAGCGCGCGCGCGCGCGCGCGCGG 470
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 238 CCGGCTGTGGGCGGTGCGGAGAGCGAGAGCGCGCGCGCGCGCGCGCGCGCGCGAGTC 297
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 471 GGGGCGAGACCGGATTAAGAACCTCTGCGCTTCCCGCGCGAGCGGAGTTCGCCG 530
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 298 TGCGGCGGCGCTGGCGGAGCGGAGAGCGCGCGCGCGCTGCGCTGCGGAGAGCGCCG 357
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 531 CCGGCGCGGAGCGCGCGCGC 550
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 358 CACACATATAGCGCGCGCGC 377
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 6
US-60-485-450-12047/c
; Sequence 12047, Application US/60485450
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: CHANG, Sheng-Yung
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RESPONSE TO INTERFERON TREATMENT IN HEPATITIS C
; TITLE OF INVENTION: VIRUS-INFECTED SUBJECTS, METHODS OF DETECTION AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: C1001470
; CURRENT APPLICATION NUMBER: US/60/485,450
; CURRENT FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 47859
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12047
; LENGTH: 16525
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-485-450-12047

Query Match          9.2%; Score 50.6; DB 7; Length 16525;
Best Local Similarity 48.8%; Pred. No. 0.23;
Matches 163; Conservative 0; Mismatches 170; Indels 1; Gaps 1;

OY 152 CCGCGCTGCTCCCTGCGCGGAGAGCTCCCTACACGAGGAGAGTCCCTCCACCGG 211
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 6101 CCAGGCGCCAGCGAGGAGGAGGCGGCGCAGAGCTGCAGAGAAACCGGAGAACTG 6042
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 212 CCGAGCTTCAGAGGCGGCGGCTGAGTACGCCAAGAGGAGTGGCGGCGGCGG 271
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 6041 CCTGCGCGCAGAGGCGGCGCGCCAGAGGCTTAGCGGGGCGGCGGCGGCGGCGG 5982
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 272 GGC-CTGCGGAGACAAAGCGGCGGCTCTCTCAGAGGCGCGCGCGCGCGCGCG 330
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 5981 CCGGCGCTGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 5922
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 331 AGGAGTCTCGAGGCGCGCGAGGAGGAGGCGACGGGCTTCCAGAGGCGCGCGCG 390
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

Db 5921 CGGGCGCCCGCCCGCCGCGCAGACCCCGCGCGGAGGAGGAGAAAGAGGCGGCTTGG 5862
QY 391 CAGAGAGAGTGGCCGACGAGCGCCGTGAGCGGAGGCGGCGAGGCGCTTCTCAGAGAGCG 450
Db 5861 CGGGCCCGGAGCGCCCGCGCGCAGCGCGGCGCGAGCCCGCTGGGTGGGCGGAGAGCG 5802
QY 451 CGGGCGAGCGCGCGCGCGGAGGCGGCGGAGCGCGG 484
Db 5801 CGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGG 5768

RESULT 7
US-10-425-114A-2674/C
; Sequence 2674, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yinhua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 2674
; LENGTH: 2368
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700220913_FLI
US-10-425-114A-2674

Query Match 9.0%; Score 49.8; DB 6; Length 2368;
Best Local Similarity 45.0%; Pred. No. 0.25; Indels 1; Gaps 1;
Matches 224; Conservative 0; Mismatches 273; Indels 1; Gaps 1;

QY 37 CCTGCGCCTCCACCTCCCGAGCGCAGAGCGCCCGACGAGACCCCGAGTGGCCGAC 96
Db 892 CTGAGGCGCCAAAGCGAGCGCTCGCGCGAGCGCTTCTGCGCGCCCAATCTGCGCG 833
QY 97 GTTGCAGAGCTTGGGTACAGAGCAGAGGACCAAGGAGCCAGAACTGCGCGCGCCCGC 156
Db 832 AGTGAAGCGCTCGCGGAGCGCAAGCAGCGCGGCGGAGCGCTCAACCGCGAGGCTCG 773
QY 157 CCTGCGCCTCGCGGAGGAGGCTCCCTCAACGAGGAGAACTCCCTCAACCGCGCCAG 216
Db 772 CGAGGCGAGCGCGGTAGAGAGCGCGGCGCTTGTAAAGCGCGCGCTCGCGAG 713
QY 217 CCTGCGAGGCGCGGTGAGTCAAGCAGCAAGGAGAACTCGCGCGGCGGCGGCGCT 276
Db 712 GAGCTTGTAGAGGCGGAGAGAGCGCGAGGTACCGAGTCCGCTGCGGTGCGTTC 653
QY 277 CGCGGAGAGCAAGCGCGCGCTCTCTCAAGGAGCGCCGAGCTGCGCGCAAGAGAG 336
Db 652 CGAGGCGCTCGAGCGCGCGCGCGCGAGCGCGGCGCGAGTGGCGCACTGCTCG 593
QY 337 TCCCTGAGGCGCGCGCGAGGAGGCGAGGCGCTTCCAGGCGCGCGCGCGCGCGCG 395
Db 592 CTGCTGAGAGCAGCGCGCTCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 533
QY 396 GGAAGTGGCGAGGCGCGCGCTGAGCGAGCGCGCGCGCGCGCGCTTCTCAGAGAGCGCGCG 455
Db 532 CGCGCGCGCGCGCGCGCGCGCGCGAGCGCGCGCGCGCGCGAGAGTCCGCGTGGCGAGC 473
QY 456 GAGCGCGCGCGCTGAGGCGCGAGAGCGCGGTATAGAGAGCTTGTGCGCGCGCGAG 515
Db 472 GCGCGCGAGCGGTG 413
QY 516 GCGCGAGGTCCCGCGCGC 533

Db 412 CTCGCCGCGGAGAGAGCGC 395

RESULT 8
US-09-897-516A-4197/C
; Sequence 4197, Application US/09897516A
; GENERAL INFORMATION:
; APPLICANT: Corbin, David R.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Huesing, Joseph E.
; APPLICANT: Malvar, Thomas M.
; APPLICANT: Krasomil-Osterfeld, Karina C.
; APPLICANT: Slater, Steven C.
; APPLICANT: Spiridonov, Sergei
; TITLE OF INVENTION: Xenorhabdus sp. Genome Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51847)B
; CURRENT APPLICATION NUMBER: US/09/897,516A
; CURRENT FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/215,161
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 8415
; SEQ ID NO 4197
; LENGTH: 1215
; TYPE: DNA
; ORGANISM: Xenorhabdus sp.
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(1215)
; OTHER INFORMATION: unsure at all n locations
US-09-897-516A-4197

Query Match 9.0%; Score 49.6; DB 5; Length 1215;
Best Local Similarity 45.0%; Pred. No. 0.25; Indels 0; Gaps 0;
Matches 127; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

QY 221 CGAGGCGCGCGCGGTGCTCAGACCGCAAGAGTGGCGCGCGCGCGCGCGCGCGCG 280
Db 779 GCGGCGGCG 720
QY 281 GAGACAAAGCGCGCGCTGCTCTCTCAGAGGCGCGCGCGCGCGCGCGCGCGCGCG 340
Db 719 GGTGCG 660
QY 341 CGAGCGCGCGCGCGAGAGGCGCGCGCGCTTCCAGGCGCGCGCGCGCGCGCGCGCG 400
Db 659 GCGGCG 600
QY 401 TTGGCAGGCGCGCGCGGTGAGCGAGCGGCGAGAGGCTTCTCAGAGCGCGCGCGAGCG 460
Db 599 GCGGCG 540
QY 461 CGCGCGCTGAGGCGCGAG 479
Db 539 CGGGCG 521

RESULT 9
PCT-US03-26780-822/C
; Sequence 822, Application PCT/US0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; FILE REFERENCE: 08940.0014-00304
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29

```

; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 822
; LENGTH: 1470
; TYPE: DNA
; ORGANISM: Homo sapiens
; PCT-US03-26780-822

```

```

Query Match      8.9%; Score 49.2; DB 1; Length 1470;
Best Local Similarity 46.7%; Pred. No. 0.31;
Matches 189; Conservative 0; Mismatches 214; Indels 2; Gaps 1;

```

```

QY 146 GCGGCCCCCGCCCTGCGCGAGGGAAGCTCCCTCCACGNGAGGAAAGCTCCCTC 205
DB 831 GCGGTACAGCCCTCTCCCTGACGCGGCGAGGCTTCTCCACATGCTCCGCGCGCC 772
QY 206 ACCGCGCCAGCCCTGCGAGGCGGCGGCGGCGGCTGAGAC--GCAAGGAGAGTGGCGG 263
DB 771 GCGCCGCGACCCCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 712
QY 264 CCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 323
DB 711 CCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 652
QY 324 TGCCAGAGAAAGTCTCCGAGCGCGCGGCGGAGGAGGCGGCGGCGGCGGCGGCGG 383
DB 651 GCGCGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 592
QY 384 CCGCGCGCGAGAGAAAGTGGCCAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 443
DB 591 CGTCAGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 532
QY 444 AGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 503
DB 531 GCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 472
QY 504 CTTGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 548
DB 471 CCGTCCCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 427

```

```

RESULT 10
US-60-495-114-16671
; Sequence 16671, Application US/60495114
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN PROTEASE PROTEINS, METHODS OF DETECTION AND
; FILE REFERENCE: C1001480
; CURRENT APPLICATION NUMBER: US/60/495,114
; NUMBER OF SEQ ID NOS: 91238
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO: 16671
; LENGTH: 65518
; ORGANISM: Homo sapiens

```

```

; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(65518)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables
US-60-495-114-16671

```

```

Query Match      8.9%; Score 48.8; DB 7; Length 65518;
Best Local Similarity 52.5%; Pred. No. 0.61;
Matches 107; Conservative 0; Mismatches 97; Indels 0; Gaps 0;

```

```

QY 339 CTCGAGGCCCGGCGAGGGAAGGGGCGAGGCTTCCAGAGGCCCGCGCGCGAGCAGGA 398
DB 64381 CTAGAGGCGGCGGCGGCGAGGAGGAGCCTCGGTGTGACGCGCGTGCAGAGGCGGAGCTTCG 64440
QY 399 AGTTGGCCAGGCGACGCGCGTGAAGGCGGCGGCGGCGGCTTCTCAGAGCGCGGCGAG 458
DB 64441 GAGAGAGGCGGCGTACCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 64500
QY 459 GCGGCGGCGTGAAGGCGGAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 518
DB 64501 GCGGCGGCGTGAAGGCGGAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 64560
QY 519 GCAAGTTCGCGCGCGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 542
DB 64561 GCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 64584

```

```

RESULT 11
US-60-495-114-16855
; Sequence 16855, Application US/60495114
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN PROTEASE PROTEINS, METHODS OF DETECTION AND
; FILE REFERENCE: C1001480
; CURRENT APPLICATION NUMBER: US/60/495,114
; NUMBER OF SEQ ID NOS: 91238
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO: 16855
; LENGTH: 121612
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(121612)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables
US-60-495-114-16855

```

```

Query Match      8.9%; Score 48.8; DB 7; Length 121612;
Best Local Similarity 52.5%; Pred. No. 0.66;
Matches 107; Conservative 0; Mismatches 97; Indels 0; Gaps 0;

```

```

QY 339 CTCGAGGCCCGGCGAGGGAAGGGGCGAGGCTTCCAGAGGCCCGCGCGCGAGCAGGA 398
DB 5789 CTAGAGGCGGCGGCGGCGAGGAGGAGCCTCGGTGTGACGCGCGTGCAGAGGCGGAGCCTTCG 5848
QY 399 AGTTGGCCAGGCGACGCGCGTGAAGGCGGCGGCGGCGGCGGCTTCTCAGAGCGCGGCGAG 458
DB 5849 GAGAGAGGCGGCGTACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 5908
QY 459 GCGGCGGCTGAAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 518
DB 5909 GCGGCGGCGTGAAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 5968
QY 519 GCAAGTTCGCGCGCGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 542
DB 5969 CCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 5992

```

```

RESULT 12
PCT-US03-11231-193/c

```

```

: Sequence 193, Application PC/TUS0311231
: GENERAL INFORMATION:
: APPLICANT: Corixa Corporation
: APPLICANT: Day, Craig H.
: APPLICANT: Hosken, Nancy A.
: APPLICANT: Parsons, Joseph M.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
: FILE REFERENCE: 210121.53801PC
: CURRENT APPLICATION NUMBER: PCT/US03/11231
: NUMBER OF SEQ ID NOS: 267
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 193
: LENGTH: 3957
: TYPE: DNA
: ORGANISM: HSV2
: PCT-US03-11231-193

```

Query Match 8.7%; Score 47.8; DB 1; Length 3957;
 Best Local Similarity 46.3%; Pred. No. 0.67;
 Matches 157; Conservative 0; Mismatches 182; Indels 0; Gaps 0;

```

QY 209 CGGCCAGCCCTGACAGGGGGGCGCTGGGGTCAGACCGCAAGGAGTGGGGCCGG 268
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2543 CGGGTACAGCGCCGCGGGCGCGGGCGCGGGCGGGCGGGCGGGCGGGCGGGCGG 2484
QY 269 GTGGGGCTCGCGGACCAAGAGCGGGCGCTGCTCTCAGAGGGCGCCAGCGCTGCCA 328
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2483 GCGCCCGGGAGAGGGCGCGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGG 2424
QY 329 AGAGGAAGTCTCTGAGGGCGCGGGCGGGAGAGAGGGCGAGCGGGTCCAGGGCCGCGC 388
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2423 CGGGGGCGCGCGCGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTTC 2364
QY 389 CGCAGAGGAATGTTGCCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTTC 448
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2363 CGCGGGCGCGAGCGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2304
QY 449 CGCGGGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 508
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2303 GGGCGAGCGCTGTGTTCTGGAAGAGCGTCCGGCGGGCGCGCGCGCGCGAGCTCAGC 2244
QY 509 CGGGCGAGCGGAGTTCGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 547
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2243 AGCGCGGGGCTCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2205

```

```

RESULT 13
US-10-425-114A-26227
: Sequence 26227, Application US/10425114A
: GENERAL INFORMATION:
: APPLICANT: Liu, Jindong
: APPLICANT: Zhou, Yihua
: APPLICANT: Kovalic, David K.
: APPLICANT: Screen, Steven E
: APPLICANT: Tabaska, Jack E
: APPLICANT: Cao, Yongwei
: TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
: FILE REFERENCE: 38-21(5313)B
: CURRENT APPLICATION NUMBER: US/10/425,114A
: NUMBER OF SEQ ID NOS: 73128
: SEQ ID NO 26227
: LENGTH: 2463
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: Clone ID: LIB4118-190-H1_FLI
US-10-425-114A-26227

```

Query Match 8.6%; Score 47.6; DB 6; Length 2463;

```

Best Local Similarity 47.6%; Pred. No. 0.69;
Matches 140; Conservative 0; Mismatches 154; Indels 0; Gaps 0;
QY 258 TCGGGCGGGGTGGGCTCGCGGACCAAGAGCGGGCGCTGCTCTCAGAGGGCCCG 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 243 TTGCTCCGGGCTCGAGCGCTCGAGGCGAGGCGAGGCGAGGCGAGGCGAGGCGAG 302
QY 318 AGCCCTGCGCAAGAGGAGTCTCGAGGCGCGGGCGAGGAGAGGAGGAGGAGGAGG 377
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 303 GGTCCGGGCGGTGCGGGGGCGCGGGGAGCTGCGCGGAGATCCGGGGCGGCTACAG 362
QY 378 GGGCGCGCGCGCGAGGAGATGAGGCGAGGCGCGGCGGCGGCGGCGGCGGCGG 437
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 363 GAGGTGAGGCGTATTCGCGGGGGCGCGGGCGCGGGCGCGGGCGCGGGCGGCGG 422
QY 438 TTCTCAGAGAGCGGGCGAGGCGCGCTGAGAGGGCGAGAGCGGGTATAGAGCT 497
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 423 CGCTGATGAGCTGCTCGGGCGGGCGCGGCTGCGCGCGCGCGCGCGCGCGCGCTG 482
QY 498 CGTGGCTTCCCGCGGAGCGAGTTCGCCGCGCGCGCGCGCGCGCGCGCGCGCG 551
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 483 CGGCCCTGTCCAGAGCGCGCGCGAGGCTGAGCGCGCGCGCGCGCGCGCGCGCG 536

```

```

RESULT 14
US-10-425-114A-26232
: Sequence 26232, Application US/10425114A
: GENERAL INFORMATION:
: APPLICANT: Liu, Jindong
: APPLICANT: Zhou, Yihua
: APPLICANT: Kovalic, David K.
: APPLICANT: Screen, Steven E
: APPLICANT: Tabaska, Jack E
: APPLICANT: Cao, Yongwei
: TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
: FILE REFERENCE: 38-21(5313)B
: CURRENT APPLICATION NUMBER: US/10/425,114A
: NUMBER OF SEQ ID NOS: 73128
: SEQ ID NO 26232
: LENGTH: 2475
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: Clone ID: LIB4119-019-H6_FLI
US-10-425-114A-26232

```

```

Query Match 8.6%; Score 47.6; DB 6; Length 2475;
Best Local Similarity 47.6%; Pred. No. 0.69;
Matches 140; Conservative 0; Mismatches 154; Indels 0; Gaps 0;
QY 258 TCGGGCGGGGTGGGCTCGCGGAGCAAGAGCGGGCGCTGCTCTCAGAGGGCCCG 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 243 TTGCTCCGGGCTCGAGCGCTCGAGGCGAGGCGAGGCGAGGCGAGGCGAGGCGAG 302
QY 318 AGCCCTGCGCAAGAGGAGTCTCGAGGCGCGGGCGAGGAGAGGAGGAGGAGGAGG 377
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 303 GGTCCGGGCGGTGCGGGGGCGCGGGGAGCTGCGCGGAGATCCGGGGCGGCTACAG 362
QY 378 GGGCGCGCGCGCGAGGAGATGAGGCGAGGCGCGGCGGCGGCGGCGGCGGCGG 437
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 363 GAGGTGAGGCGTATTCGCGGGGGCGCGGGCGCGGGCGCGGGCGCGGGCGGCGG 422
QY 438 TTCTCAGAGAGCGGGCGAGGCGCGCTGAGAGGGCGAGAGCGGGTATAGAGCT 497
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 423 CGCTGATGAGCTGCTCGGGCGGGCGCGGCTGCGCGCGCGCGCGCGCGCGCGCTG 482
QY 498 CGTGGCTTCCCGCGGAGCGAGTTCGCCGCGCGCGCGCGCGCGCGCGCGCGCG 551
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 483 CGGCCCTGTCCAGAGCGCGCGAGGCTGAGCGCGCGCGCGCGCGCGCGCGCG 536

```


1. The first part of the document is a list of the names of the persons who were present at the meeting.

2. The second part of the document is a list of the names of the persons who were absent from the meeting.

3. The third part of the document is a list of the names of the persons who were present at the meeting.

4. The fourth part of the document is a list of the names of the persons who were absent from the meeting.

5. The fifth part of the document is a list of the names of the persons who were present at the meeting.

6. The sixth part of the document is a list of the names of the persons who were absent from the meeting.

7. The seventh part of the document is a list of the names of the persons who were present at the meeting.

8. The eighth part of the document is a list of the names of the persons who were absent from the meeting.

9. The ninth part of the document is a list of the names of the persons who were present at the meeting.

10. The tenth part of the document is a list of the names of the persons who were absent from the meeting.

11. The eleventh part of the document is a list of the names of the persons who were present at the meeting.

12. The twelfth part of the document is a list of the names of the persons who were absent from the meeting.

13. The thirteenth part of the document is a list of the names of the persons who were present at the meeting.

14. The fourteenth part of the document is a list of the names of the persons who were absent from the meeting.

15. The fifteenth part of the document is a list of the names of the persons who were present at the meeting.

16. The sixteenth part of the document is a list of the names of the persons who were absent from the meeting.

17. The seventeenth part of the document is a list of the names of the persons who were present at the meeting.

18. The eighteenth part of the document is a list of the names of the persons who were absent from the meeting.

19. The nineteenth part of the document is a list of the names of the persons who were present at the meeting.

20. The twentieth part of the document is a list of the names of the persons who were absent from the meeting.

21. The twenty-first part of the document is a list of the names of the persons who were present at the meeting.

22. The twenty-second part of the document is a list of the names of the persons who were absent from the meeting.

23. The twenty-third part of the document is a list of the names of the persons who were present at the meeting.

24. The twenty-fourth part of the document is a list of the names of the persons who were absent from the meeting.

25. The twenty-fifth part of the document is a list of the names of the persons who were present at the meeting.

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OW nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:22:59 ; Search time 1383.21 Seconds
(without alignments)
5482.165 Million cell updates/sec

Title: US-10-081-817A-3

Sequence: 1 atgaagctgcgcgcctcct.....gggcctgcagctgttgc 312

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 22781392 seqs, 12152238056 residues

Total number of hits satisfying chosen parameters: 45562784

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :
1: em_estba:*
2: em_esthm:*
3: em_estln:*
4: em_estmv:*
5: em_estov:*
6: em_estpl:*
7: em_estro:*
8: em_hlc:*
9: gb_estl:*
10: gb_est2:*
11: gb_hlc:*
12: gb_est3:*
13: gb_est4:*
14: gb_est5:*
15: em_estfun:*
16: em_estom:*
17: em_gss_hum:*
18: em_gss_inv:*
19: em_gss_pln:*
20: em_gss_vrt:*
21: em_gss_fun:*
22: em_gss_mam:*
23: em_gss_mus:*
24: em_gss_pro:*
25: em_gss_rtd:*
26: em_gss_phg:*
27: em_gss_vrl:*
28: gb_gss1:*
29: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	308.8	99.0	473	12	BM920793
2	308.8	99.0	473	12	BM920794
3	308.8	99.0	490	12	BM977626
4	308.8	99.0	496	12	BI818715

5	308.8	99.0	1004	12	BI769722
6	308.8	99.0	1059	12	BO067622
7	308.8	99.0	1083	13	BM921624
8	307.2	98.5	550	10	AM974727
9	303.8	97.4	437	14	CB049699
10	299.8	96.1	472	12	BM977779
11	298.8	95.8	439	9	AI685860
12	297.8	95.4	961	12	BI819045
13	296.8	95.1	407	12	BI820788
14	296.8	95.1	416	12	BI490604
15	296.8	95.1	491	12	BI819014
16	296.8	95.1	496	12	BI819795
17	296.8	95.1	875	12	BI822360
18	296.8	95.1	880	12	BI489765
19	296.8	94.9	680	12	BI821791
20	290.8	93.2	425	9	AI333740
21	289.8	93.2	420	9	AI187341
22	286.8	91.9	885	12	BI824102
23	283.2	90.8	476	12	BI818534
24	281.8	90.3	413	9	AI745557
25	281.8	90.3	424	9	AI744099
26	276.6	88.7	416	10	BF221778
27	272.8	87.4	896	12	BI824919
28	268.8	86.4	420	9	AI936195
29	258.2	82.8	642	12	BM982112
30	258.2	82.8	731	14	BM982925
31	258.2	82.8	731	14	CA313307
32	258.2	82.8	731	12	BM980649
33	254.8	81.9	878	12	BI823159
34	254.8	81.7	1000	12	BI908998
35	246	78.8	378	9	AI684641
36	236.6	75.8	526	9	AA742697
37	220.4	70.6	427	14	W76414
38	214	68.1	435	14	CB049698
39	212.6	68.1	424	14	W77934
40	206.8	66.3	343	9	AA649864
41	202.4	64.9	887	12	BI818788
42	188.6	60.4	335	9	AA902200
43	186.6	59.8	323	10	BE707758
44	174	55.8	320	13	BU679439
45	165.4	53.0	380	14	N95182

ALIGNMENTS

RESULT 1
BM920793
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

BM920793
AGENCOCURT 6705937 NIH_MGC_115 Homo sapiens CDNA clone IMAGE:5752038
5' mRNA Sequence.
BM920793
BM920793.1 GI:19371172
EST
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
1 (bases 1 to 473)
NIH-MGC <http://mhc.nci.nih.gov/>
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished
Contact: Robert Strausberg, Ph.D.
Email: cgapds-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
Plate: LLNL2785 row: j column: 07
High quality sequence stop: 474.

BI769722 AGENCOCURT
BO067622 AGENCOCURT
BM921624 AGENCOCURT
AM974727 EST36817
CB049699 NISC_g112
BM977779 UT-CF-EN1
AI685860 t100f09 x
BI819045 603033186
BI820788 603034390
BI490604 603032283
BI819014 603031330
BI819795 603041303
BI822360 603037920
BI489765 603032283
BI821791 603035866
AI333740 qp98f05.x
AI187341 qe26d02.x
BI824102 603039244
BI818534 603033053
AI745557 wc34e01.x
AI744099 wc36c10.x
BF221778 7062e02.x
BI824919 603032441
AI936195 w063a10.x
BM982112 UI-CF-EN1
BM982925 UI-CF-EN1
CA313307 UI-CF-FNO
BM980649 UI-CF-EN1
BI823159 603039406
BI908998 603070132
AI684641 wa84h08.x
AA742697 nx30g04.s
W76414 z6f1a04.t1
CB049698 NISC_g112
W77934 z6f1b02.t1
AA649864 ns54a03.s
BI818788 603037635
AA902200 o669a06.s
BE707758 OV3-RT054
BU679439 UT-CF-PD1
N95182 zb52d10.s1

FEATURES
source

Location/Qualifiers

1. 473
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5752038"
/lab_host="DH10B"
/clone.lib="NIH_MGC_115"
/note="Organ: Pooled brain, lung, testis; Vector: PCMV-SpORe; Site:1: NotI; Site:2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 021. Note: this is a NIH_MGC Library."

BASE COUNT
ORIGIN

93 a 161 c 146 g 73 t

Query Match 99.0%; Score 308.8; DB 12; Length 473;
Best Local Similarity 99.4%; Pred. No. 1.2e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTCGCCGCTCTGCGGCTCTGCGTGGCCCTGCTGCAAGTCCGCTGCT 60
7 ATGAAGCTCGCCGCTCTGCGGCTCTGCGTGGCCCTGCTGCAAGTCCGCTGCT 66
61 TTCTTAAGTGGCTCGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 120
67 TTCTTAAGTGGCTCGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 126
121 GAGGCGGCGGCGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 180
127 GAGGCGGCGGCGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 186
181 CTGAGCAGCTGTGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 240
187 CTGAGCAGCTGTGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 246
241 GAGCTGGTCCCGAGGCGTGGGCGGCTGGAAGGCGCTGCTGAGGCGGCG 300
247 GAGCTGGTCCCGAGGCGTGGGCGGCTGGAAGGCGCTGCTGAGGCGGCG 306
301 ACAGTGTGGG 312
307 ACAGTGTGGG 318

RESULT 2
BM920794 473 bp mRNA linear EST 12-MAR-2002
LOCUS AGENCOURT.6705953 NIH_MGC_115 Homo sapiens cDNA IMAGE:5752039
DEFINITION 5', mRNA sequence.
ACCESSION BM920794
VERSION BM920794.1 GI:19371173
KEYWORDS EST
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 473)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-f@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be

FEATURES
source

found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM12785 row: 3 column: 08
High quality sequence stop: 474.
Location/Qualifiers

1. 473
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5752038"
/lab_host="DH10B"
/clone.lib="NIH_MGC_115"
/note="Organ: Pooled brain, lung, testis; Vector: PCMV-SpORe; Site:1: NotI; Site:2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 021. Note: this is a NIH_MGC Library."

BASE COUNT
ORIGIN

92 a 161 c 147 g 73 t

Query Match 99.0%; Score 308.8; DB 12; Length 473;
Best Local Similarity 99.4%; Pred. No. 1.2e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTCGCCGCTCTGCGGCTCTGCGTGGCCCTGCTGCAAGTCCGCTGCT 60
7 ATGAAGCTCGCCGCTCTGCGGCTCTGCGTGGCCCTGCTGCAAGTCCGCTGCT 66
61 TTCTTAAGTGGCTCGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 120
67 TTCTTAAGTGGCTCGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 126
121 GAGGCGGCGGCGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 180
127 GAGGCGGCGGCGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 186
181 CTGAGCAGCTGTGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 240
187 CTGAGCAGCTGTGGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCG 246
241 GAGCTGGTCCCGAGGCGTGGGCGGCTGGAAGGCGCTGCTGAGGCGGCG 300
247 GAGCTGGTCCCGAGGCGTGGGCGGCTGGAAGGCGCTGCTGAGGCGGCG 306
301 ACAGTGTGGG 312
307 ACAGTGTGGG 318

RESULT 3
BM977626 490 bp mRNA linear EST 21-FEB-2003
LOCUS UI-CF-EN1-ref-o-13-0-UI-s1 UI-CF-EN1 Homo sapiens cDNA clone
DEFINITION UI-CF-EN1-ref-o-13-0-UI 3', mRNA sequence.
ACCESSION BM977626
VERSION BM977626.1 GI:19596235
KEYWORDS EST
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 490)
AUTHORS Bonaldo, M.F., Lennon, G., and Soares, M.B.
TITLE Normalization and subtraction: two approaches to facilitate gene discovery
JOURNAL Genome Res. 6 (9), 791-806 (1996)
MEDLINE 97044477
PUBMED 8889548

COMMENT

Contact: McCray, PB
McCray Lab
University of Iowa
2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
Tel: 319 356 4866
Fax: 319 356 7171
Email: paul-mccray@uiowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
CDNA Library Preparation: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research Genetics (www.resgen.com) or from Open Biosystems (www.openbiosystems.com).
The following repetitive elements were found in this cDNA
Seq primer: M13 FORWARD
POLYA+yes.

FEATURES

Location/Qualifiers

1..490
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-CF-EN1:aef-o-13-0-UI"
/tissue_type="Primary Lung Cystic Fibrosis Epithelial Cells"
/dev_stage="Adult"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/note="Organ: Lung; Vector: pT73-Pac (Pharmacia) with a modified Polylinker; Site:1: EcoR I; Site:2: Not I; UI-CF-EN1 is a normalized cDNA library containing the following tissue(s): Primary Lung Cystic Fibrosis Epithelial Cells. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT73-Pac vector. The oligonucleotide used to prime the synthesis of the first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is CTCCTCAGGT.
TAG-LIB-UI-CF-EN1
TAG-TISSUE-Human Lung Epithelial Cell lines untreated LPS 6hr to LPS 24h
TAG-SEQ-CTGCTCAGGT"

BASE COUNT

73 a 154 c 175 g 88 t

Query Match 99.0%; Score 308.8; DB 12; Length 490;
Best Local Similarity 99.4%; Pred. No. 1.2e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTCGCGCCCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 60
Db 458 ATGAAGCTCGCGCCCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 399
QY 61 TTCTTAGTGGGCTGGGCAAGCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 120
Db 398 TTCTTAGTGGGCTGGGCAAGCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 339
QY 121 GAGGCGGGGCGGAGACCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 180
Db 338 GAGGCGGGGCGGAGACCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 279
QY 181 CTGAGCAGCTGGGCAATCCCGTGAACACTCTCATAGAGGCTCCGAAAGTGTGGCT 240
Db 278 CTGAGCAGCTGGGCAATCCCGTGAACACTCTCATAGAGGCTCCGAAAGTGTGGCT 219
QY 241 GAGCTGGGTCCTCCAGGCGCGTGGGCGCGTGAAGGCTGAAGGCTGCTGGGGCCCTG 300
Db 218 GAGCTGGGTCCTCCAGGCGCGTGGGCGCGTGAAGGCTGAAGGCTGCTGGGGCCCTG 159

QY 301 ACAGTGTGTCGC 312
Db 158 ACAGTGTGTCGC 147

RESULT 4
BI818715 496 bp mRNA linear EST 04-OCT-2001
LOCUS 603037535F1 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5178608 5',
DEFINITION mRNA sequence.
BI818715
ACCESSION BI818715.1 GI:15930265
VERSION
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE
1 (bases 1 to 496)
NIH-MGC http://mgc.ncbi.nlm.nih.gov/
National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL
TITLE
COMMENT
Contact: Robert Strausberg, Ph.D.
Email: rgadups-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arranged by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LHAM1445 row: e column: 09
High quality sequence stop: 471.

FEATURES

Location/Qualifiers

1..496
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5178608"
/lab_host="DH10B"
/clone="NIH-MGC-115"
/note="Organ: Pooled brain, lung, testis; Vector: pCMV-SPORT6; Site:1: NotI; Site:2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen) Research Genetics tracking code 021. Note: this is a NIH-MGC Library."

BASE COUNT

93 a 176 c 153 g 74 t

Query Match 99.0%; Score 308.8; DB 12; Length 496;
Best Local Similarity 99.4%; Pred. No. 1.2e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTCGCGCCCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 60
Db 24 ATGAAGCTCGCGCCCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 83
QY 61 TTCTTAGTGGGCTGGGCAAGCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 120
Db 84 TTCTTAGTGGGCTGGGCAAGCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 143
QY 121 GAGGCGGGGCGGAGACCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 180
Db 144 GAGGCGGGGCGGAGACCTCTGCGTGGCGCCCTGTCGACACTCCGCTCGTCT 203
QY 181 CTGAGCAGCTGGGCAATCCCGTGAACACTCTCATAGAGGCTCCGAAAGTGTGGCT 240
Db 204 CTGAGCAGCTGGGCAATCCCGTGAACACTCTCATAGAGGCTCCGAAAGTGTGGCT 263

QY 241 GAGCTGGGATCCCGGAGCCGTCGGGGCCCGTGAAGGCCCTGTCGGGGGCGCCCTG 300
 Db 264 GAGCTGGGATCCCGGAGCCGTCGGGGCCCGTGAAGGCCCTGTCGGGGGCGCCCTG 323
 QY 301 ACAGTGTGGC 312
 Db 324 ACAGTGTGGC 335
 RESULT 5
 LOCUS B1769722 1004 bp mRNA linear EST 25-SEP-2001
 DEFINITION 603055021F1 NIH_MGC_122 Homo sapiens cDNA clone IMAGE:5204452 5',
 mRNA sequence;
 B1769722
 VERSION B1769722.1 GI:15761287
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1004)
 AUTHORS NIH-MGC http://mgi.nci.nih.gov/
 TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
 JOURNAL Unpublished
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgabbs-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 DNA Sequencing by: Incyte Genomics, Inc.
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/MLN at:
 http://image.llnl.gov
 Plate: L1M1512 row: j column: 05
 High quality sequence start: 3
 Location/Qualifiers
 1..1004
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5204452"
 /lab_host="DH10B"
 /clone.lib="NIH_MGC_122"
 /note="Organ: Pooled lung and spleen; Vector: PCMV-SPORT6;
 Site: 1: NotI; Site 2: EcoRV (destroyed); RNA source
 anonymous pool of 24 week female lung, 16 week female
 spleen, and 20-22 week male spleens. Library is oligo-dT
 primed and directionally cloned (EcoRV site is destroyed
 upon cloning). Average insert size 1.4 kb, insert size
 range 1-3 kb. Library is normalized and enriched for
 full-length clones and was constructed by C. Gruber
 (Invitrogen). Research Genetics tracking code 026. Note:
 this is a NIH_MGC Library."

FEATURES
 source
 1..1004
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5204452"
 /lab_host="DH10B"
 /clone.lib="NIH_MGC_122"
 /note="Organ: Pooled lung and spleen; Vector: PCMV-SPORT6;
 Site: 1: NotI; Site 2: EcoRV (destroyed); RNA source
 anonymous pool of 24 week female lung, 16 week female
 spleen, and 20-22 week male spleens. Library is oligo-dT
 primed and directionally cloned (EcoRV site is destroyed
 upon cloning). Average insert size 1.4 kb, insert size
 range 1-3 kb. Library is normalized and enriched for
 full-length clones and was constructed by C. Gruber
 (Invitrogen). Research Genetics tracking code 026. Note:
 this is a NIH_MGC Library."

BASE COUNT 311 a 163 g 113 t
 ORIGIN
 Query Match 99.0%; Score 308.8; DB 12; Length 1004;
 Best Local Similarity 99.4%; Pred. No. 1.3e-50;
 Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 ATGAAGCTCGCCGCTCTCTGAGGAGCTGAGGCTGCTGCAAGCTCCGCTGCTGCT 60
 Db 23 ATGAAGCTCGCCGCTCTCTGAGGAGCTGAGGCTGCTGCAAGCTCCGCTGCTGCT 82
 QY 61 TTCTTAGTGGGCTCGGCAAGCTGTGGCCAGCTGTGGCTGCTGAGTCGAGCGGGG 120
 Db 83 TTCTTAGTGGGCTCGGCAAGCTGTGGCCAGCTGTGGCTGCTGAGTCGAGCGGGG 142
 QY 121 GAGCGGGGCGGGGCGCTGGCCAGCCCTGCGAGCCCTGAACCCGCTGAAGCTCTG 180

Db 143 GAGGCCGGGGGCGGAGCCCTGCGCCACCCTCGGACACCTCAACCCGCTGAAGCTCTG 202
 QY 181 CTGAGCAGCCCTGAGGCTATCCCGTGAACCACTCATAGAGGCTCCCGAGAAGTGTGGCT 240
 Db 203 CTGAGCAGCCCTGAGGCTATCCCGTGAACCACTCATAGAGGCTCCCGAGAAGTGTGGCT 262
 QY 241 GAGCTGGGATCCCGGAGCCGTCGGGGCCCGTGAAGGCCCTGTCGGGGGCGCCCTG 300
 Db 263 GAGCTGGGATCCCGGAGCCGTCGGGGCCCGTGAAGGCCCTGTCGGGGGCGCCCTG 322
 QY 301 ACAGTGTGGC 312
 Db 323 ACAGTGTGGC 334
 RESULT 6
 LOCUS B0067622 1059 bp mRNA linear EST 02-APR-2002
 DEFINITION AGENCOURT_6759083 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5755192
 5', mRNA sequence.
 B0067622
 VERSION B0067622.1 GI:19896668
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1059)
 AUTHORS NIH-MGC http://mgi.nci.nih.gov/
 TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
 JOURNAL Unpublished
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgabbs-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/MLN at:
 http://image.llnl.gov
 Plate: L1M12793 row: m column: 17
 High quality sequence stop: 343.
 Location/Qualifiers
 1..1059
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5755192"
 /lab_host="DH10B"
 /clone.lib="NIH_MGC_115"
 /note="Organ: Pooled brain, lung, testis; Vector:
 PCMV-SPORT6; Site: 1: NotI; Site 2: EcoRV (destroyed); RNA
 source anonymous pool of 6 male brains, age range 23-27; 1
 male lung age 27 and 1 male testis, age 69. Library is
 oligo-dT primed and directionally cloned (EcoRV site is
 destroyed upon cloning). Average insert size 1.8 kb,
 insert size range 1-3 kb. Library is normalized and
 enriched for full-length clones and was constructed by C.
 Gruber (Invitrogen). Research Genetics tracking code
 021. Note: this is a NIH_MGC Library."

FEATURES
 source
 1..1059
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5755192"
 /lab_host="DH10B"
 /clone.lib="NIH_MGC_115"
 /note="Organ: Pooled brain, lung, testis; Vector:
 PCMV-SPORT6; Site: 1: NotI; Site 2: EcoRV (destroyed); RNA
 source anonymous pool of 6 male brains, age range 23-27; 1
 male lung age 27 and 1 male testis, age 69. Library is
 oligo-dT primed and directionally cloned (EcoRV site is
 destroyed upon cloning). Average insert size 1.8 kb,
 insert size range 1-3 kb. Library is normalized and
 enriched for full-length clones and was constructed by C.
 Gruber (Invitrogen). Research Genetics tracking code
 021. Note: this is a NIH_MGC Library."

BASE COUNT 199 a 339 c 304 g 217 t
 ORIGIN
 Query Match 99.0%; Score 308.8; DB 13; Length 1059;
 Best Local Similarity 99.4%; Pred. No. 1.3e-50;
 Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 ATGAAGCTCGCCGCTCTCTGAGGAGCTGAGGCTGCTGCAAGCTCCGCTGCTGCT 60
 Db 23 ATGAAGCTCGCCGCTCTCTGAGGAGCTGAGGCTGCTGCAAGCTCCGCTGCTGCT 82
 QY 61 TTCTTAGTGGGCTCGGCAAGCTGTGGCCAGCTGTGGCTGCTGAGTCGAGTCGAGCGGGG 120

Db		8	TTCCTTAGTGGGCGCTCGAGCCAAAGCCTGTGGGCCCAACGCTGTGCCTGGAGTCGGCGGGG	142
OY		121	GAGGGCGGGGGCGGGAGACCCTGGGCAACCCCTCAGCACCCCTGAGACCCGCTGAAGTCTCGTG	180
Db		143	GAGGCCGGGGCGGGAGACCCTGTGGCAACCCCTCAGCACCCCTGAGACCCGCTGAAGCTCCTGG	202
OY		181	CTGAGCAGACCTGGGGCATATCCCCGGAGAACACACTATGAGAGGGCTCCAGAAAGTGTGGCT	240
Db		203	CTTGAGCAGACCTGGGGCATATCCCCGGAGAACACACTATGAGAGGGCTCCAGAAAGTGTGGCT	262
OY		241	GAGCTGGGTTCCCAAGGCGCTGGGGCGCCCTGTAAGAAGCCCTGAAGGCCCTGCTGGGGGCCCCTG	300
Db		263	GAGCTGGGTTCCCAAGGCGCTGGGGCGCCCTGTAAGAAGCCCTGAAGGCCCTGCTGGGGGCCCCTG	322
OY		301	ACAAGTCTTTGGC 312 	
Db		323	ACAAGTCTTTGGC 334	
RESULT 7				
BM921624				
LOCUS				
DEFINITION		BM921624	1083 bp	mRNA
VERSION		AGENCOURT_6707854 NIH_MGC_115 Homo sapiens	cDNA clone IMAGE:5753142	EST 12-MAR-2002
KEYWORDS		5', mRNA sequence.		
SOURCE		BM921624.1	GI:19372003	
ORGANISM		Homo sapiens (human)		
REFERENCE		Enkaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS		Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.		
TITLE		NIH-MGC http://mgc.nci.nih.gov/		
JOURNAL		1 (bases 1 to 1083)		
COMMENT		National Institutes of Health, Mammalian Gene Collection (MGC)		
		Unpublished		
		Contact: Robert Strausberg, Ph.D.		
		Email: rgs@phs-remail.nih.gov		
		Tissue Procurement: Life Technologies, Inc.		
		cDNA Library Preparation: Life Technologies, Inc.		
		DNA Sequencing by: Agencourt Bioscience Corporation		
		Clone distribution: MGC Clone Distribution Information can be		
		found through the I.M.A.G.E. Consortium/LNL at:		
		http://image.llnl.gov		
		Plate: LLAM12788 row: h column: 07		
		High quality sequence stop: 486.		
FEATURES		Location/Qualifiers		
source		1..1083		
		/organism="Homo sapiens"		
		/mol_type="mRNA"		
		/db_xref="taxon:9606"		
		/clone="IMAGE:5753142"		
		/lab_host="DH10B"		
		/clone_lib="NIH_MGC_115"		
		/note="Organ: pooled brain, lung, testis; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dT primed and directionally cloned (EcoR site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research genetics tracking code 021. Note: this is a NIH_MGC Library."		
BASE COUNT		212 a	277 c	304 g
ORIGIN				204 t 86 others
Query Match		99.0%	Score 308.8:	DB 12: Length 1083;
Best Local Similarity		99.4%	Pred. NO. 1.3e-50;	
Matches 310: Conservative		0: Mismatches 2;	Indels 0;	Gaps 0
1 ATGAAGCTGCGCGCTCTCGGGGCTCTGCGTGGCCCTGTGCTGACAGCTCCGCTGCTGCT		60		

Db	41	ATGAACTCGCCCCCTCTCGGGGGCTGTGCTGGCCCTGCTCCGACGCTCCCGTCTGCT	100
Qy	61	TTCTTACTGGGCTTCGGCCAAAGCCCTGTGGGGCCACCTGTGGCTGCGCTGGAGTGGGGGG	120
Db	101	TTCTTACTGGGCTTCGGCCAAAGCCCTGTGGGGCCACCTGTGGCTGCGCTGGAGTGGGGGG	160
Qy	121	GAGCCCGGGGCGGGACCCCTGTGGGCAAGCCCTCGGGACCTTCAAACCGGCTGAAGCTTCGG	180
Db	161	GAGCCCGGGGCGGGACCCCTGTGGGCAAGCCCTCGGGACCTTCAAACCGGCTGAAGCTTCGG	220
Qy	181	CTGAGCAGCCTGTGGGCACTCCCGCTGACACCTCATATAGAGGCTCCCAAGATGTGGGCT	240
Db	221	CTGAGCAGCCTGTGGGCACTCCCGCTGACACCTCATATAGAGGCTCCCAAGATGTGGGCT	280
Qy	241	GAGCTGGAGTCCCAAGGCGCTGGGGGCGCGTGAAGGCGCTGAAGGCGCTGCTGGGGGCGCTG	300
Db	281	GAGCTGGAGTCCCAAGGCGCTGGGGGCGCGTGAAGGCGCTGAAGGCGCTGCTGGGGGCGCTG	340
Qy	301	ACAGTGTGTGGC 312	
Db	341	ACAGTGTGTGGC 352	
RESULT 8			
LOCUS	AW974727	550 bp.	mRNA
DEFINITION	EST386617	MAGE resequences, MAGN	Homo sapiens cDNA, mRNA sequence.
ACCESSION	AW974727		
VERSION	AW974727.1	GI:8165915	
KEYWORDS	EST.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
	1 (bases 1 to 550)		
	Hegde,P., Qi,R., Abernathy,K., Dharap,S., Gasparid,R., Gay,C., Holt		
	,I.B., Saeed,A.I., Sharov,Y., Lee,N.H., Yeatman,T.J. and		
	Quackenbush,J.		
	Assessment of gene expression patterns in a model of colon tumor		
	metastasis using a 19,200 element cDNA microarray		
	Unpublished		
JOURNAL	Contact: John Quackenbush		
COMMENT	The Institute for Genomic Research		
	9712 Medical Center Dr., Rockville, MD 20850, USA		
	Tel: 301 838 3528		
	Fax: 301 838 0208		
	Email: johnq@tigr.org		
	Plate: j38		
	Seq primer: Reverse.		
FEATURES	Location/Qualifiers		
source	1..550		
	/organism="Homo sapiens"		
	/mol_type="mRNA"		
	/db_xref="taxon:9606"		
	/clone_lib="MAGE resequences, MAGN"		
	/note="Vector: pBluescriptSKm"		
BASE COUNT	88 a 193 c 171 g 98 t		
ORIGIN			
Query Match	98.5%;	Score 307.2;	DB 10; Length 550;
Best Local Similarity	99.0%;	Pred. No. 2.4e-50;	
Matches 309; Conservative	0;	Mismatches 3;	Indels 0; Gaps 0
Qy	1	ATGAAGTCGCGCCCTCTCTGGGAGCTTCGCGTGGCCCTGTGCTTCTGAGAGCCGCTGCTGCT	60
Db	25	ATGAAGTCGCGCCCTCTCTGGGAGCTTCGCGTGGCCCTGTGCTTCTGAGAGCTGCTGCT	84
Qy	61	TTCTTACTGGGCTTCGGCCAAAGCCCTGTGGGGCCACCTGTGGCTGCGCTGGAGTGGGGGG	120
Db	85	TTCTTACTGGGCTTCGGCCAAAGCCCTGTGGGGCCACCTGTGGCTGCGCTGGAGTGGGGGG	144
Qy	121	GAGCCCGGGGCGGGACCCCTGTGGGCAAGCCCTCGGGACCTTCAAACCGGCTGAAGCTTCG	180

Db	145	GAGGCGGGGGGCGGGAGCCCTGGGCCAACCCTTCGGGACCCCTCAACCCGCTGAAGGCTCCTG	204
Qy	181	CTGAGCAGCCTTGGGCATGCCCTGTGAACACACCTCATAGAGGCTCCCAAGAGTGTGGCT	240
Db	205	CTGAGCAGCCTTGGGCATGCCCTGTGAACACACCTCATAGAGGCTCCCAAGAGTGTGGCT	264
Qy	241	GAGCTGGGTCCTCCAGGCGCTGGGGGCGCTGAAGGCGCTGAAGGCGCTGGGGGCGCTG	300
Db	265	GAGCTGGGTCCTCCAGGCGCTGGGGGCGCTGAAGGCGCTGAAGGCGCTGGGGGCGCTG	324
Qy	301	ACAGTGTGGC 312	
Db	325	ACAGTGTGGC 336	
RESULT 9			
LOCUS	CB049699	437 bp	mRNA linear EST 17-JAN-2003
DEFINITION	NTSC.g112e05.y1 NCI-CGAP_Pr28 Homo sapiens CDNA clone IMAGE:3271401		
ACCESSION	CB049699		
VERSION	CB049699.1		
KEYWORDS	EST.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS	1 (bases 1 to 437)		
TITLE	NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.		
JOURNAL	National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index		
COMMENT	Unpublished Contact: Robert Strausberg, Ph.D. Email: cgapbs-remail.nih.gov CDNA Library Preparation: CDNA Library Arrayed by: The I.M.A.G.E. Consortium/LLNL, DNA Sequencing by: National Institutes of Health Intramural Sequencing Center (NISC) Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: info@image.llnl.gov Plate: LHAM8008 row: J column: 10 Seq primer: M13RPL reverse primer (ABI).		
FEATURES			
source	Location/Qualifiers 1..437 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="IMAGE:3271401" /sex="male" /dev_stage="adult" /lab_host="DH10B" /clone_id="NCI-CGAP_Pr28" /note="Organ: prostate; Vector: pT73D-Pac (Pharmacia) with a modified polylinker; Plasmid DNA from the normalized library NCI-CGAP_Pr22 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (clones IDs 985608-986759, 1101192-1101959, and 1217978-1219615) Subtraction by Bento Soares and M. Fatima Bonaldo."		
BASE COUNT	63 a 158 c 145 g 71 t		
ORIGIN			
Query Match	97.4% Score 303.8; DB 14; Length 437;		
Best Local Similarity	99.3% Prid No. 1.e-49;		
Matches 305; Conservative	0; Mismatches 2; Indels 0; Gaps 0;		
Db	6 GCTGCGCGCCCTCTGGGGCTTGCCTGCGCCCTGTCTCAAGCTCCGCTGCTTTCTT 65 10 GCTGCGCGCCCTCTGGGGCTTGCCTGCGCCCTGTCTCAAGCTCCGCTGCTTTCTT 69		

Oy	66	AGTGGGCTCGCCCAACGCTGTGGGCCCAAGCCTGTGCCTGGCTGGAGTCGCGCGGGAAGC	125
Dd	70	AGTGCGCTCGCCCAACGCTGTGGGCCCAAGCCTGTGCCTGGCTGGAGTCGCGCGGGAAGC	129
Oy	126	CGGGGGCGGGAGCCCTGGGCCAAACCCCCTTCGGCACCCCTCAACCCTGTAAGCTCTGCTGAG	185
Dd	130	CGGGGGCGGGAGCCCTGGGCCAAACCCCCTTCGGCACCCCTCAACCCTGTAAGCTCTGCTGAG	189
Oy	186	CACCCCTGGCATCCCGCTGAACCAACCTCATAGAAGGCTCCAGAACTGTGTGCTGAGCT	245
Dd	190	CAGCTGAGGATCCCCGTGAACCAACCTCATAGAAGGCTCCAGAAACTGTGTGCTGAGCT	249
Oy	246	GGGTCCCAAGCCGCTGGGGGCGCTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTGCACAGT	305
Dd	250	GGGTCCCAAGCCGCTGGGGGCGCTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTGCACAGT	309
Oy	306	GTTTGGC	312
Dd	310	GTTTGGC	316
RESULT 10			
LOCUS	Bm977779/c	472 bp	mRNA linear EST 21-FEB-2003
DEFINITION	UI-CF-EN1-aef-n-17-0-UI.s1 UI-CF-EN1 Homo sapiens CDNA clone		
ACCESSION	Bm977779		
VERSION	UI-CF-EN1-aef-n-17-0-UI 3'		mRNA sequence.
KEYWORDS	Bm977779.1 GI:19596542		
SOURCE	EST.		
ORGANISM	Homo sapiens (human)		
REFERENCE	Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Eukaryota; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
TITLE	1 (bases 1 to 472) Donald,M.F., Lennon,G. and Soares,M.B. Normalization and subtraction: two approaches to facilitate gene discovery Genome Res. 6 (9), 791-806 (1996)		
JOURNAL	GENOME RESEARCH		
MEDLINE	97044477		
PUBMED	8889548		
COMMENT	Contact: McCray, PB McCray Lab University of Iowa 2024 University of Iowa Med Labs, Iowa City, IA 52242, USA Tel.: 319 356 4866 Fax: 319 356 7171 Email: paul.mccray@uiowa.edu Tissue Procurement: Dr. M. J. Welsh, University of Iowa CDNA Library Preparation: Dr. M. Bento Soares, University of Iowa DNA Sequencing by: Dr. M. Bento Soares, University of Iowa Clone Distribution: Researchers may obtain clones from Research Genetics (www.resgen.com) or from Open Biosystems (www.openbiosystems.com). Seq primer: M13 FORWARD POLYA=yes.		
FEATURES			
Source	Location/Qualifiers		
	1..472		
	/organism="Homo sapiens"		
	/mol_type="mRNA"		
	/db_xref="taxon:9606"		
	/clone="UI-CF-EN1-aef-n-17-0-UI"		
	/tissue-type="Primary Lung Cystic Fibrosis Epithelial Cells"		
	/dev_stage="Adult"		
	/lab_host="DH10B (Life Technologies) (r1 phage resistant)"		
	/note="Organ: Lung; Vector: pTZ19-Pac (Pharmacia) with a modified polylinker; Site 1: EcoR I; Site 2: Not I; UI-CF-EN1 is a normalized cDNA library containing the following tissue(s): Primary Lung Cystic Fibrosis Epithelial Cells The library was constructed by Dr. M. Bento Soares, University of Iowa."		

AUTHORS NIH-MGC <http://mhc.nci.nih.gov/>.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: <http://image.llnl.gov>
Plate: LLM11431 row: f column: 21
High quality sequence start: 416.
High quality sequence stop: 416.
Location/Qualifiers

FEATURES
source 1.416
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_image="5173268"
/lab_host="DH10B"
/note="Organ: Pooled brain, lung, testis; Vector: PCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dr primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 021. Note: this is a NIH-MGC library."

BASE COUNT
ORIGIN 64 a 141 g 151 t 60 c

Query Match 95.1%; Score 296.8; DB 12; Length 416;
Best Local Similarity 99.0%; Pred. No. 2.5e-48;
Matches 309; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

OY 1 ATGAAGCTGCGCGCCCTCTGCGGGCTCTGCGGCCCTCTGCGAGCTCCGCTGCT 60
Db 393 ATGAAGCTGCGCGCCCTCTGCGGGCTCTGCGGCCCTCTGCGAGCTCCGCTGCT 334
OY 61 TTCTTAGTGGGCTCGGCAAGCTGCGGCCAGCTGCGCTGCGTGGAGTGGGGGCG 120
Db 333 TTCTTAGTGGGCTCGGCAAGCTGCGGCCAGCTGCGCTGCGTGGAGTGGGGGCG 274
OY 121 GAGGCGGGGCGGGACCTGCGCAACCTGCGGACCTCAACCGCGTGAAGCTCTG 180
Db 273 GAGGCGGGGCGGGACCTGCGCAACCTGCGGACCTCAACCGCGTGAAGCTCTG 215
OY 181 CTGAGCAGCTTGGGCAATCCCGGTGAACCACTCATAGAGGGCTCCAGAAAGTGTGGCT 240
Db 214 CTGAGCAGCTTGGGCAATCCCGGTGAACCACTCATAGAGGGCTCCAGAAAGTGTGGCT 155
OY 241 GAGCTGGGTCCCGAGGCGGTGGGGCGGTGAAGGCCCTGAGAGGCCCTGCTGGGGCCCTG 300
Db 154 GAGCTGGGTCCCGAGGCGGTGGGGCGGTGAAGGCCCTGAGAGGCCCTGCTGGGGCCCTG 95
OY 301 ACAGTGTGGC 312
Db 94 ACAGTGTGGC 83

RESULT 15
BI819014 491 bp mRNA linear EST 04-OCT-2001
LOCUS 603033130F1 NIH_MGC_115 Homo sapiens CDNA IMAGE:5174526 5',
DEFINITION mRNA sequence.
ACCESSION BI819014
VERSION BI819014.1 GI:15930564
KEYWORDS EST.

SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 491)
AUTHORS NIH-MGC <http://mhc.nci.nih.gov/>.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: <http://image.llnl.gov>
Plate: LLM11434 row: k column: 07
High quality sequence stop: 470.
High quality sequence start: 470.
Location/Qualifiers

FEATURES
source 1.491
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_image="5174526"
/lab_host="DH10B"
/note="Organ: Pooled brain, lung, testis; Vector: PCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dr primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 021. Note: this is a NIH-MGC library."

BASE COUNT
ORIGIN 90 a 172 c 155 g 74 t

Query Match 95.1%; Score 296.8; DB 12; Length 491;
Best Local Similarity 99.0%; Pred. No. 2.6e-48;
Matches 309; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

OY 1 ATGAAGCTGCGCGCCCTCTGCGGGCTCTGCGGCCCTCTGCGAGCTCCGCTGCT 60
Db 22 ATGAAGCTGCGCG -CCTCTGCGGGCTCTGCGGCCCTCTGCGAGCTCCGCTGCT 80
OY 61 TTCTTAGTGGGCTCGGCAAGCTGCGGCCAGCTGCGCTGCGTGGAGTGGGGGCG 120
Db 81 TTCTTAGTGGGCTCGGCAAGCTGCGGCCAGCTGCGCTGCGTGGAGTGGGGGCG 140
OY 121 GAGGCGGGGCGGGACCTGCGCAACCTGCGGACCTCAACCGCGTGAAGCTCTG 180
Db 141 GAGGCGGGGCGGGACCTGCGCAACCTGCGGACCTCAACCGCGTGAAGCTCTG 200
OY 181 CTGAGCAGCTTGGGCAATCCCGGTGAACCACTCATAGAGGGCTCCAGAAAGTGTGGCT 240
Db 201 CTGAGCAGCTTGGGCAATCCCGGTGAACCACTCATAGAGGGCTCCAGAAAGTGTGGCT 260
OY 241 GAGCTGGGTCCCGAGGCGGTGGGGCGGTGAAGGCCCTGAGAGGCCCTGCTGGGGCCCTG 300
Db 261 GAGCTGGGTCCCGAGGCGGTGGGGCGGTGAAGGCCCTGAGAGGCCCTGCTGGGGCCCTG 320
OY 301 ACAGTGTGGC 312
Db 321 ACAGTGTGGC 332

Search completed: September 20, 2003, 01:38:59
Job time: 1390.21 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:30:33; Search time 35.0684 Seconds
(without alignments)
3926.945 Million cell updates/sec

Title: US-10-081-817A-3

Sequence: 1 atgaagctgcgcgcctctc.....gggcctctgacagtgttggc 312

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued_Patents_NA:*
1: /cgn2_6/pcdata/2/1na/5A.COMB.seq:*
2: /cgn2_6/pcdata/2/1na/5B.COMB.seq:*
3: /cgn2_6/pcdata/2/1na/5A.COMB.seq:*
4: /cgn2_6/pcdata/2/1na/5B.COMB.seq:*
5: /cgn2_6/pcdata/2/1na/PCRTUS.COMB.seq:*
6: /cgn2_6/pcdata/2/1na/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	308.8	99.0	570	US-09-996-243-407	Sequence 407, Appl
2	56.4	18.1	263	US-08-964-725-2	Sequence 2, Appl
3	56.4	18.1	507	US-08-964-725-4	Sequence 4, Appl
4	56.4	18.1	519	US-08-964-725-5	Sequence 5, Appl
5	49.2	15.8	2497	US-09-620-312D-47	Sequence 7, Appl
6	46.6	14.9	2374	US-09-252-991A-3660	Sequence 3660, Ap
7	46.6	14.8	3297	US-09-252-991A-3615	Sequence 3615, Ap
8	46.2	14.8	1423	US-09-252-991A-1281	Sequence 1281, A
9	46.2	14.8	1428	US-09-252-991A-12820	Sequence 12820, A
10	46.2	14.8	1428	US-09-252-991A-12677	Sequence 12677, A
11	46.2	14.8	1511	US-09-252-991A-13122	Sequence 13122, A
12	44.2	14.2	1572	US-09-252-991A-7316	Sequence 7316, Ap
13	44.2	14.2	1573	US-09-252-991A-7304	Sequence 7304, Ap
14	44.2	14.2	1573	US-09-252-991A-7316	Sequence 7316, Ap
15	44.2	14.2	2543	US-08-555-663-11	Sequence 11, Appl
16	44.2	14.2	2543	US-09-073-663-11	Sequence 11, Appl
17	44.2	14.2	2574	US-09-252-991A-7385	Sequence 7385, Ap
18	43.6	14.0	432	US-08-642-255-48	Sequence 48, Appl
19	43.6	14.0	756	US-08-642-255-50	Sequence 50, Appl
20	42.6	13.7	2721	US-08-642-255-50	Sequence 50, Appl
21	42.6	13.7	8438	US-07-945-283-1	Sequence 1, Appl
22	42.2	13.5	930	US-09-252-991A-1173	Sequence 1173, Ap
23	42.2	13.5	1116	US-09-252-991A-8238	Sequence 8238, Ap
24	42.2	13.5	1122	US-09-252-991A-7974	Sequence 7974, Ap
25	42.2	13.5	1125	US-09-252-991A-8074	Sequence 8074, Ap
26	42.2	13.5	6858	US-09-252-991A-1219	Sequence 1219, Ap
27	42.2	13.5	13842	US-09-105-537-30	Sequence 30, Appl

ALIGNMENTS

US-09-996-243-407	Sequence 407, Application US/0996243	US-09-105-537-5	Sequence 5, Appl
Patent No. 6478825		US-09-320-878-19	Sequence 19, Appl
GENERAL INFORMATION:		US-09-141-908-1	Sequence 1, Appl
APPLICANT: Ashkenazi, Avi J.		US-09-657-440-19	Sequence 19, Appl
APPLICANT: Baker, Kevin P.		US-09-252-991A-651	Sequence 651, App
APPLICANT: Bolstein, David		US-09-252-991A-683	Sequence 683, App
APPLICANT: Desnoyers, Luc		US-09-252-991A-680	Sequence 680, Ap
APPLICANT: Eaton, Dan L.		US-09-252-991A-6474	Sequence 6474, Ap
APPLICANT: Ferrara, Napoleone		US-09-252-991A-6761	Sequence 6761, Ap
APPLICANT: Fong, Sherman		US-08-845-998-7	Sequence 7, Appl
APPLICANT: Gerber, Hanspeter		US-09-206-537-7	Sequence 7, Appl
APPLICANT: Gertsen, Mary E.		US-09-430-854-7	Sequence 7, Appl
APPLICANT: Goddard, Audrey		US-09-252-991A-7812	Sequence 7812, Ap
APPLICANT: Godowski, Paul J.		US-09-252-991A-1	Sequence 1, Appl
APPLICANT: Grimaldi, J. Christopher		US-08-948-584-1	Sequence 1, Appl
APPLICANT: Gurney, Austin L.		US-09-252-991A-7601	Sequence 7601, Ap
APPLICANT: Klievin, Ivar J.		US-09-252-991A-7950	Sequence 7950, Ap
APPLICANT: Napier, Mary A.			
APPLICANT: Pan, James			
APPLICANT: Paoli, Nicholas F.			
APPLICANT: Roy, Margaret Ann			
APPLICANT: Stewart, Timothy A.			
APPLICANT: Tumas, Daniel			
APPLICANT: Watanabe, Colin K.			
APPLICANT: Williams, P. Mickey			
APPLICANT: Wood, William I.			
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
FILE REFERENCE: P2730PC13			
CURRENT APPLICATION NUMBER: US/09/996,243			
PRIOR FILING DATE: 2001-11-14			
PRIOR APPLICATION NUMBER: 60/049787			
PRIOR FILING DATE: 1997-06-16			
PRIOR APPLICATION NUMBER: 60/062250			
PRIOR FILING DATE: 1997-10-17			
PRIOR APPLICATION NUMBER: 60/065186			
PRIOR FILING DATE: 1997-11-12			
PRIOR APPLICATION NUMBER: 60/065311			
PRIOR FILING DATE: 1997-11-13			
PRIOR APPLICATION NUMBER: 60/066770			
PRIOR FILING DATE: 1997-11-24			
PRIOR APPLICATION NUMBER: 60/075945			
PRIOR FILING DATE: 1998-02-25			
PRIOR APPLICATION NUMBER: 60/078910			
PRIOR FILING DATE: 1998-03-20			
PRIOR APPLICATION NUMBER: 60/083322			
PRIOR FILING DATE: 1998-04-28			

PRIOR APPLICATION NUMBER: 60/084600	PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106	PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607	PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609	PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759	PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827	PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021	PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025	PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026	PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028	PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029	PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030	PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033	PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326	PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167	PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202	PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212	PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217	PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655	PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734	PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738	PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742	PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810	PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824	PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826	PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858	PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861	PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876	PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105	PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440	PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512	PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514	PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532	PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538	PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598	PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599	PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/091633	PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544	PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091549	PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519	PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626	PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633	PRIOR FILING DATE: 1998-07-02

TELEPHONE: 847/935-1729
 TELEFAX: 847/938-2623
 TELEX:
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-964-725-4

Query Match 18.1% Score 56.4; DB 2: Length 507;
 Best Local Similarity 60.4%; Pred. No. 0.0026;
 Matches 93; Conservative 0; Mismatches 61; Indels 0; Gaps 0;
 QY 137 CCGTGGCCACCCCTGGGCAACCCGCTGAAGCTCTGCTGAGCAGCCCTGGGCA 196
 DB 195 CTCTGACACACCTTCTCCCTTTATGATCCATTAAAGCTTCTGAAAACCTGCGCA 254
 QY 197 TCCTCGTGAACCACTCATAGAGGCTCCAGAAAGTGTGCTGAGCTGGTCCGAG 256
 DB 255 TTTCTGTGAGACCTTGTGAGAGGCTTAAGAGTGTAAATGAGCTGGACACAGAG 314
 QY 257 CCGTGGGGCCCTGAAGGCCCTGAAGGCCCTGCT 290
 DB 315 CTTCGAAGCTGTGAAGAACTGCTGAGGCGCT 348

RESULT 4

US-08-964-725-5
 Sequence 5, Application US/08964725
 Patent No. 5939265

GENERAL INFORMATION:
 APPLICANT: COHEN, Maurice
 APPLICANT: FRIEDMAN, Paula N.
 APPLICANT: GORDON, Julian
 APPLICANT: HODGES, Steven C.
 APPLICANT: KLAS, Michael R.
 APPLICANT: KRATOCHVIL, Jon D.
 APPLICANT: ROBERTS-RAPP, Lisa
 APPLICANT: RUSSELL, John C.
 APPLICANT: STROUPE, Steven D.
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
 NUMBER OF SEQUENCES: 19
 TITLE OF INVENTION: FOR DETECTING DISEASES OF THE LUNG
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Abbott Laboratories
 STREET: 100 Abbott Park Road
 CITY: Abbott Park
 STATE: IL
 COUNTRY: USA
 ZIP: 60064-3500
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,725
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Becker, Cheryl L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 5997 US-P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 847/935-1729
 TELEFAX: 847/938-2623
 TELEX:
 INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
 LENGTH: 519 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-964-725-5

Query Match 18.1% Score 56.4; DB 2: Length 519;
 Best Local Similarity 60.4%; Pred. No. 0.0026;
 Matches 93; Conservative 0; Mismatches 61; Indels 0; Gaps 0;
 QY 137 CCGTGGCCACCCCTGGGCAACCCGCTGAAGCTCTGCTGAGCAGCCCTGGGCA 196
 DB 208 CTCTGACACACCTTCTCCCTTTATGATCCATTAAAGCTTCTGAAAACCTGCGCA 267
 QY 197 TCCTCGTGAACCACTCATAGAGGCTCCAGAAAGTGTGCTGAGCTGGTCCGAG 256
 DB 268 TTTCTGTGAGACCTTGTGAGAGGCTTAAGAGTGTAAATGAGCTGGACACAGAG 327
 QY 257 CCGTGGGGCCCTGAAGGCCCTGAAGGCCCTGCT 290
 DB 328 CTTCGAAGCTGTGAAGAACTGCTGAGGCGCT 361

RESULT 5

US-09-620-312D-47
 Sequence 47, Application US/09620312D
 Patent No. 6569662

GENERAL INFORMATION:
 APPLICANT: Tang, Y. Tom
 APPLICANT: Liu, Chenghua
 APPLICANT: Asundi, Vinod
 APPLICANT: Zhang, Jie
 APPLICANT: Ren, Feiyun
 APPLICANT: Chen, Ruihong
 APPLICANT: Zhao, Qing A.
 APPLICANT: Weinman, Tom
 APPLICANT: Xue, Aildong J.
 APPLICANT: Yang, Yonghong
 APPLICANT: Wang, Jian-Rui
 APPLICANT: Zhou, Ping
 APPLICANT: Ma, Yungqing
 APPLICANT: Wang, Dunrui
 APPLICANT: Wang, Zhilwei
 APPLICANT: John Tillinghast
 APPLICANT: Drmanac, Radoje T.
 TITLE OF INVENTION: No. 6569662el Nucleic Acids and
 FILE REFERENCE: 784CIP2B
 CURRENT APPLICATION NUMBER: US/09/620,312D
 CURRENT FILING DATE: 2000-07-19
 PRIOR APPLICATION NUMBER: 09/552,317
 PRIOR FILING DATE: 2000-04-25
 PRIOR APPLICATION NUMBER: 09/488,725
 PRIOR FILING DATE: 2000-01-21
 NUMBER OF SEQ ID NOS: 1105
 SOFTWARE: PL-FL-genes Version 1.0
 SEQ ID NO 47
 LENGTH: 2497
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (107)..(1756)
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)..(2497)
 OTHER INFORMATION: n = a, l, c or g
 US-09-620-312D-47

Query Match 15.8% Score 49.2; DB 4: Length 2497;
 Best Local Similarity 50.0%; Pred. No. 0.068;
 Matches 151; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

QY	3	GAACCTGCGCCG	CCCTCTGGGGG	CTCTCGATGGCC	CTGACCTGACAGTCCGCTCGGCTT	62		
Db	1099	GTACTCTGTCCCT	TGAGCGCGGGC	CTGAGCAGAGC	CTGGGACGCAAGTCCCTGCGCGCTT	1158		
QY	63	CTTGTGGGGCTG	CG--GCCAAGC	CTGTGGCCCA	CTGTGCTGGCTGGAGTGGGGGCG	119		
Db	1159	CGTGGGGAGAT	TGGGCTCCCGCT	CTGTGGGGCCCG	CGGGGGCGGCGT	CGGTGGGGGGGCGCGC	1218	
QY	120	GGAGCGCGGGG	CGGGAGCCCTG	GGCCAAACCC	CTGGCAACCCGCTGAAAGTCT	179		
Db	1219	TGCGGCCAT	TGGGTGGGGG	CTGGGCTCGAT	GTGGGCTCATGTAC	CTACAGGGCGGGCGCA	1278	
QY	180	GCTAGACGAC	CTGGGGCAT	CCCGCTGAA	CCACTATAGAGGGCTCC	CAAGATGTGTGGC	239	
Db	1279	ATTCTAGT	CCCTGTGAC	ACAGAGATGG	GGGCTTATCCCGCTTCC	CGGAGGCTTGGCG	1338	
QY	240	TGAGCTGGGTC	CCCGAGGCG	CTGGGGGCG	CGTGAAGCCCTCGAAGC	CCCTGCTGGGGGCGCT	299	
Db	1339	CACACTAC	CAACGCTGT	GTGTGATGG	CGAGCGCGA	GGCCTTCA	CCGCTTACCTGGAAGCAAT	1398
QY	300	GA	301					
Db	1399	GA	1400					

QY 129 GCGCGGACCTTGGCCACCCCTGCGACCTCAACCCGCTGAAGCTTCTGTGACGAG 188
 Db 288 CCACGACGCGCTGTGATCTCTCGGCGCCCTGTAAGAGCTGGCGGCTGTGATGAA 229
 QY 189 CCGTGGCATCCCTGTGAACACCTCAATAGAGGGCTCCCAAGATGTGTGCTGAGCTGGG 248
 Db 228 GATGCGCAACGACCTGCGCTGCTGTCCGGCCCAAGCGCGGCTTCGCGAGATGAA 169
 QY 249 TCCCCAAGCGCTGTGGGGCGCTGAAGCCCTGTAAGGCCCTGTGGGGCTGTGACAGTGT 307
 Db 168 GCTGCGGCGCAACGAGCGCGGAGCTCATCTGCGCGCAAGGTCAACCCGACCCACT 110

RESULT 9
 US-09-252-991A-12820
 ; Sequence 12820, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; PRIOR FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-07-27
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 12820
 ; LENGTH: 1425
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-12820

Query Match 14.8%; Score 46.2; DB 4; Length 1425;
 Best Local Similarity 47.2%; Pred. No. 0.27;
 Matches 141; Conservative 0; Mismatches 158; Indels 0; Gaps 0;
 QY 9 GCGCGCCTCTCTGCGCTGTGCGTCTCTGCAAGCTCCGCTGCTTCTTCTTGT 68
 Db 714 CCGGCTGGGACCGGCGCTCAACGCGCCGAAGGGCTTCCGCGCATTCGCGCGGAAT 773
 QY 69 GGGCTCGGCGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCGAGCGCG 128
 Db 774 GCGCGCGCAATGGGCGCTGCTGTGCGCGCGCGCGCAAGATTGCGCGCGCTGGCGG 833
 QY 129 GCGCGGAGCCCTGCGCAACCCCTGCGACCCCTCAACCGCGTGAAGCTCTGTGAGCG 188
 Db 834 CCAGAGCGCGTGTCTATCTCTCGGCGCCTGAAGAGCTGGGCGTGGCGCTGATGAA 893
 QY 189 CCGTGGCATCCCTGTGAACACCTCAATAGAGGGCTCCCAAGATGTGTGCTGAGCTGGG 248
 Db 894 GATGCGCAACGACCTGCGCTGCTGTCCGGCCCAAGCGCGCTTCGCGAGATGAA 953
 QY 249 TCCCCAAGCGCTGTGGGGCGCTGAAGCCCTGTAAGGCCCTGTGGGGCTGTGACAGTGT 307
 Db 954 GCTGCGGCGCAACGAGCGCGGAGCTCATCTGCGCGCAAGGTCAACCCGACCCACT 1012

RESULT 10
 US-09-252-991A-12677
 ; Sequence 12677, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; PRIOR FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 12677
 ; LENGTH: 1428
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-12677

Query Match 14.8%; Score 46.2; DB 4; Length 1428;
 Best Local Similarity 47.2%; Pred. No. 0.27;
 Matches 141; Conservative 0; Mismatches 158; Indels 0; Gaps 0;
 QY 9 GCGCGCCTCTCTGCGCTGTGCGTCTCTGCAAGCTCCGCTGCTTCTTCTTGT 68
 Db 661 CCGGCTGGGACCGGCGCTCAACGCGCCGAAGGGCTTCGCGAGCCATCGCGCGGAAT 720
 QY 69 GGGCTCGGCGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCGGAGCGCG 128
 Db 721 CCGCGCGCAATGGGCGCTGCGCTTCTGTGCGCGCGCGCAACAGTTGGCGCCTGGCGG 780
 QY 129 GCGCGGAGCCCTGCGCAACCCCTGCGACCCCTCAACCGCGTGAAGCTCTGTGAGCG 188
 Db 781 CCAGAGCGCTGTATCTCTTCCGCGCCTGAAGAGCTTGGCGCTGATGAA 840
 QY 189 CCGTGGCATCCCTGTGAACACCTCAATAGAGGGCTCCCAAGATGTGTGCTGAGCTGGG 248
 Db 841 GATGCGCAACGACCTGCGCTGCTGTGCGGCGCCAGCGCGGCTTCGCGAGATGAA 900
 QY 249 TCCCCAAGCGCTGTGGGGCGCTGAAGGCCCTGTAAGGCCCTGTGGGGCTGTGACAGTGT 307
 Db 901 GCTGCGGCGCAACGAGCGCGGAGCTCATCTGCGCGCAAGGTCAACCCGACCCACT 959

RESULT 11
 US-09-252-991A-13122/c
 ; Sequence 13122, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; PRIOR FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-07-27
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 13122
 ; LENGTH: 1611
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-13122

Query Match 14.8%; Score 46.2; DB 4; Length 1611;
 Best Local Similarity 47.2%; Pred. No. 0.27;
 Matches 141; Conservative 0; Mismatches 158; Indels 0; Gaps 0;
 QY 9 GCGCGCCTCTCTGCGCTGTGCGTCTCTGCAAGCTCCGCTGCTTCTTCTTGT 68
 Db 817 CCGGCTGGGACCGGCGCTCAACGCGCCGAAGGGCTTCGCGAGCCATCGCGCGGAAT 758
 QY 69 GGGCTCGGCGCAAGCTGTGGCCAGCTGTGCTGCTGAGTGGCGGCGGAGCGCGG 128
 Db 757 CCGCGCGCAATGGGCGCTGCGCTTCTGTGCGCGCGCGCAACAAATTTGGCGCCTGGCGG 698
 QY 129 GCGCGGAGCCCTGCGCAACCCCTGCGACCCCTCAACCGCGTGAAGCTCTGTGAGCG 188
 Db 697 CCAGAGCGCTGTATCTCTTCCGCGCCTGAAGAGCTTGGCGCTGATGAA 638
 QY 189 CCGTGGCATCCCTGTGAACACCTCAATAGAGGGCTCCCAAGATGTGTGCTGAGCTGGG 248

Db 637 GATGCGCAAGACCTGCTGCTTCCGGCCACGCGCGCTTCCGAGGTGA 578
QY 249 TCCCCAGGCGCTGGGGGCGGTGAAGCCCTGAAGGCGCTGGGGGCGCTCACTGT 307
Db 577 GCTCCGCGGCAACGACCGGCGGCTGATGATGCTCCGGGCAAGTCAACCCGACCACT 519

RESULT 12
US-09-252-991A-7316
; Sequence 7316, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7316
; LENGTH: 729
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7316

Query Match 14.2%; Score 44.2; DB 4; Length 729;
Best Local Similarity 51.0%; Pred. No. 0.67; Indels 1;
Matches 131; Conservative 0; Mismatches 123; Gaps 3;

QY 26 TCTGCTGCGCTGCTCTGCAAGCTCCGCTGCTGCTTCTTAACTGAGCTCGGCCAAGCTG 85
Db 240 TCAGGCGGGGCGGGCGGGGAGCAAGGCTGAGGCTTCCCGGCTGCGCGAGCAAGTGC 299
QY 86 TGGCCAGCCTGTGCTGCTGCTGAGTTCGCGGCGGAGCGCGGCGCGGCGCGGCGCA 145
Db 300 GGGCGGTGGGCGGCT 359
QY 146 ACCCCCTCGGCACTCAACCCGCTGAGCTCTGCTGAGCAAGCTCGGCGCATCCCGTGA 205
Db 360 TGCAGATGCGACGACGAGCGGCTGACAGCTATGCGAGCGAGCGCGCGCGCGCGCG 416
QY 206 ACCACCTATAGAGGCTCCAGAAAGTGTGCTGAGTGGGTCGCCAGCGCGTGGGG 265
Db 417 ACCAGAGCTGCGACGAGCGGCTGCAACCGAGCGCGCGCGCGCGCGCGCGCGCGCG 476
QY 266 CCGTGAAGGCGCTGAAG 282
Db 477 TGGCGCTGATCCAGCAG 493

RESULT 13
US-09-252-991A-7185/C
; Sequence 7185, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7185
; LENGTH: 1083

; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7185

Query Match 14.2%; Score 44.2; DB 4; Length 1083;
Best Local Similarity 51.0%; Pred. No. 0.67; Indels 1;
Matches 131; Conservative 0; Mismatches 123; Gaps 3;

QY 26 TCTGCTGCGCTGCTCTGCAAGCTCCGCTGCTGCTTCTTAACTGAGCTCGGCCAAGCTG 85
Db 346 TCGAGGCGCGGCGGGCT 287
QY 86 TGGCCAGCCTGTGCTGCTGCTGAGTTCGCGGCGGAGCGCGGCGCGGCGCGGCGCGCA 145
Db 286 GGGCGCTGCGGCGGCT 227
QY 146 ACCCCCTCGGCACTCAACCCGCTGAGCTCTGCTGAGCAAGCTCGGCGCATCCCGTGA 205
Db 226 TGCAGATGCGACGACGAGCGGCTGACAGCTATGCGAGCGCGCGCGCGCGCGCGCG 170
QY 206 ACCACCTATAGAGGCTCCAGAAAGTGTGCTGAGTGGGTCGCCAGCGCGTGGGG 265
Db 169 ACCAGAGGCTGACGACGCGTTCGAGACCGAGCGCGCGCTGGCGAATCGCCAGCGCG 110
QY 266 CCGTGAAGGCGCTGAAG 282
Db 109 TGGCGCTGATCCAGCAG 93

RESULT 14
US-09-252-991A-7304/C
; Sequence 7304, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7304
; LENGTH: 1572
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7304

Query Match 14.2%; Score 44.2; DB 4; Length 1572;
Best Local Similarity 51.0%; Pred. No. 0.66; Indels 1;
Matches 131; Conservative 0; Mismatches 123; Gaps 3;

QY 26 TCTGCTGCGCTGCTCTGCAAGCTCCGCTGCTGCTTCTTAACTGAGCTCGGCCAAGCTG 85
Db 413 TCGAGGCGCGGCGGGCT 354
QY 86 TGGCCAGCCTGTGCTGCTGAGTTCGCGGCGGAGCGCGGCGCGGCGCGGCGCGCA 145
Db 353 GGGCGCTGCGGCGGCT 294
QY 146 ACCCCCTCGGCACTCAACCCGCTGAGCTCTGCTGAGCAAGCTCGGCGCATCCCGTGA 205
Db 293 TGCAGATGCGACGACGAGCGGCTGACAGCTATGCGAGCGCGCGCGCGCGCGCGCG 237
QY 206 ACCACCTATAGAGGCTCCAGAAAGTGTGCTGAGTGGGTCGCCAGCGCGTGGGG 265
Db 236 ACCAGAGGCTGACGACGCGTTCGAGACCGAGCGCGCGCTGGCGAATCGCCAGCGCG 177
QY 266 CCGTGAAGGCGCTGAAG 282

Db 121 GAGGCCGGGGCCGGGACCCCTGCGCCACCCCTGCGACCCCTGAACCCCGCTGAAGCTCTG 180
QY 181 CTGAGCAGCCTGGGATCCCGCTGAGCAGCCTCATATGAGGGGCTCCCAAGATGTGTGCT 240
Db 181 CTGAGCAGCCTGGGATCCCGCTGAGCAGCCTCATATGAGGGGCTCCCAAGATGTGTGCT 240
QY 241 GAGCTGGGCTCCCGAGCGCGTGGGGGCGCTGAAAGCCCTGAAGGCTGTGGGGGCGCTG 300
Db 241 GAGCTGGGCTCCCGAGCGCGTGGGGGCGCTGAAAGCCCTGAAGGCTGTGGGGGCGCTG 300
QY 301 ACAGTGTGGC 312
Db 301 ACAGTGTGGC 312

RESULT 2

US-10-237-435-6
Sequence 6 Application US/10237435
Publication No. US20030124580A1
GENERAL INFORMATION:
APPLICANT: Walner, Michael G.
APPLICANT: Spiro, Peter A.
TITLE OF INVENTION: LONG SURFACTANT MOLECULES
FILE REFERENCE: PB-0019 US
CURRENT APPLICATION NUMBER: US/10/237,435
CURRENT FILING DATE: 2002-09-06
PRIOR APPLICATION NUMBER: 60/317,822
PRIOR FILING DATE: 09-07-2001
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PERL Program
SEQ ID NO 6
LENGTH: 561
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc-feature
OTHER INFORMATION: Incyte ID No. US20030124580A1 242745.1
US-10-237-435-6

Query Match 99.0%; Score 308.8; DB 14; Length 561;
Best Local Similarity 99.4%; Pred. No. 1e-63; 2; Indels 0; Gaps 0;

Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 ATGAAGCTGCGCGCCCTCTGCGGGCTCTGCGGCGCTGCGGCGCTGCGGCGCTGCGGCTGCT 60
Db 117 ATGAAGCTGCGCGCCCTCTGCGGGCTCTGCGGCGCTGCGGCGCTGCGGCGCTGCGGCTGCT 176
QY 61 TTCTTAGTGGGCTGCGGCAAGCCTGTGAGCCAGCCTGCTGCGGCTGAGTGGGCGG 120
Db 177 TTCTTAGTGGGCTGCGGCAAGCCTGTGAGCCAGCCTGCTGCGGCTGAGTGGGCGG 236
QY 121 GAGCCGGGGCGGGGACCTGCGGCAAGCCTGCGGCAAGCCTGCAAGCCGCTGAAGCTCTG 180
Db 237 GAGCCGGGGCGGGGACCTGCGGCAAGCCTGCGGCAAGCCTGCAAGCCGCTGAAGCTCTG 296
QY 181 CTGAGCAGCCTGGGATCCCGCTGAGCAGCCTCATATGAGGGCTCCCAAGATGTGTGCT 240
Db 297 CTGAGCAGCCTGGGATCCCGCTGAGCAGCCTCATATGAGGGCTCCCAAGATGTGTGCT 356
QY 241 GAGCTGGGCTCCCGAGCGCGTGGGGGCGCTGAAAGCCCTGAAGGCTGTGGGGGCGCTG 300
Db 357 GAGCTGGGCTCCCGAGCGCGTGGGGGCGCTGAAAGCCCTGAAGGCTGTGGGGGCGCTG 416
QY 301 ACAGTGTGGC 312
Db 417 ACAGTGTGGC 428

RESULT 3
US-10-210-951-27
Sequence 27 Application US/10210951
Publication No. US2003017028A1

GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Goddard, Audrey J.
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Marsters, Scott A.
APPLICANT: Pap, James
APPLICANT: Pitti, Robert M.
APPLICANT: Roy, Margaret Ann
APPLICANT: Smith, Victoria
APPLICANT: Stone, Donna M.
APPLICANT: Watanabe, Colin K.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOR
FILE REFERENCE: P2931R1C1
CURRENT APPLICATION NUMBER: US/10/210,951
CURRENT FILING DATE: 2002-08-02
PRIOR APPLICATION NUMBER: 60/014699
PRIOR FILING DATE: 1996-04-01
PRIOR APPLICATION NUMBER: 60/026943
PRIOR FILING DATE: 1996-09-23
PRIOR APPLICATION NUMBER: 60/059121
PRIOR FILING DATE: 1997-07-17
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/062037
PRIOR FILING DATE: 1997-10-10
PRIOR APPLICATION NUMBER: 60/063755
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063045
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063046
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/065111
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066772
PRIOR FILING DATE: 1997-11-24
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 258
SEQ ID NO 27
LENGTH: 569
TYPE: DNA
ORGANISM: Homo sapiens
US-10-210-951-27

Query Match 99.0%; Score 308.8; DB 12; Length 569;
Best Local Similarity 99.4%; Pred. No. 1e-63; 2; Indels 0; Gaps 0;

Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 ATGAAGCTGCGCGCCCTCTGCGGGCTCTGCGGCGCTGCGGCGCTGCGGCGCTGCGGCTGCT 60
Db 79 ATGAAGCTGCGCGCCCTCTGCGGGCTCTGCGGCGCTGCGGCGCTGCGGCGCTGCGGCTGCT 138
QY 61 TTCTTAGTGGGCTGCGGCAAGCCTGTGAGCCAGCCTGCTGCGGCTGAGTGGGCGG 120
Db 139 TTCTTAGTGGGCTGCGGCAAGCCTGTGAGCCAGCCTGCTGCGGCTGAGTGGGCGG 198
QY 121 GAGCCGGGGCGGGGACCTGCGGCAAGCCTGCGGCAAGCCTGCAAGCCGCTGAAGCTCTG 180
Db 199 GAGCCGGGGCGGGGACCTGCGGCAAGCCTGCGGCAAGCCTGCAAGCCGCTGAAGCTCTG 258
QY 181 CTGAGCAGCCTGGGATCCCGCTGAGCAGCCTCATATGAGGGCTCCCAAGATGTGTGCT 240
Db 259 CTGAGCAGCCTGGGATCCCGCTGAGCAGCCTCATATGAGGGCTCCCAAGATGTGTGCT 318
QY 241 GAGCTGGGCTCCCGAGCGCGTGGGGGCGCTGAAAGCCCTGAAGGCTGTGGGGGCGCTG 300
Db 319 GAGCTGGGCTCCCGAGCGCGTGGGGGCGCTGAAAGCCCTGAAGGCTGTGGGGGCGCTG 378
QY 301 ACAGTGTGGC 312
Db 379 ACAGTGTGGC 390

RESULT 4
 US-09-989-722-407
 ; Sequence 407, Application US/09989722
 ; Patent No. US20020072067A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ashkenazi, Avi J.
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerlitsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grunwald, J. Christopher
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Kijavlin, Ivar J.
 ; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: P2730P1C63
 ; CURRENT FILING DATE: 2001-11-19
 ; PRIOR APPLICATION NUMBER: 60/049787
 ; PRIOR FILING DATE: 1997-06-16
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/065186
 ; PRIOR FILING DATE: 1997-11-12
 ; PRIOR APPLICATION NUMBER: 60/065311
 ; PRIOR FILING DATE: 1997-11-13
 ; PRIOR APPLICATION NUMBER: 60/066770
 ; PRIOR FILING DATE: 1997-11-24
 ; PRIOR APPLICATION NUMBER: 60/075945
 ; PRIOR FILING DATE: 1998-02-25
 ; PRIOR APPLICATION NUMBER: 60/078910
 ; PRIOR FILING DATE: 1998-03-20
 ; PRIOR APPLICATION NUMBER: 60/083322
 ; PRIOR FILING DATE: 1998-04-28
 ; PRIOR APPLICATION NUMBER: 60/084600
 ; PRIOR FILING DATE: 1998-05-07
 ; PRIOR APPLICATION NUMBER: 60/087106
 ; PRIOR FILING DATE: 1998-05-28
 ; PRIOR APPLICATION NUMBER: 60/087607
 ; PRIOR FILING DATE: 1998-06-02
 ; PRIOR APPLICATION NUMBER: 60/087609
 ; PRIOR FILING DATE: 1998-06-02
 ; PRIOR APPLICATION NUMBER: 60/087759
 ; PRIOR FILING DATE: 1998-06-02
 ; PRIOR APPLICATION NUMBER: 60/087827
 ; PRIOR FILING DATE: 1998-06-03
 ; PRIOR APPLICATION NUMBER: 60/088021
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088025
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088026
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088028
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088029

; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088030
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088033
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088326
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088167
 ; PRIOR FILING DATE: 1998-06-05
 ; PRIOR APPLICATION NUMBER: 60/088202
 ; PRIOR FILING DATE: 1998-06-05
 ; PRIOR APPLICATION NUMBER: 60/088212
 ; PRIOR FILING DATE: 1998-06-05
 ; PRIOR APPLICATION NUMBER: 60/088217
 ; PRIOR FILING DATE: 1998-06-05
 ; PRIOR APPLICATION NUMBER: 60/088655
 ; PRIOR FILING DATE: 1998-06-09
 ; PRIOR APPLICATION NUMBER: 60/088734
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088738
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088742
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088810
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088824
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088826
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088858
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/088861
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/088876
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/089105
 ; PRIOR FILING DATE: 1998-06-12
 ; PRIOR APPLICATION NUMBER: 60/089440
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089512
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089514
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089532
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089538
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089598
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089599
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089600
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089601
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089653
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/089907
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/089908
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/089947
 ; PRIOR FILING DATE: 1998-06-19
 ; PRIOR APPLICATION NUMBER: 60/089948
 ; PRIOR FILING DATE: 1998-06-19
 ; PRIOR APPLICATION NUMBER: 60/089952
 ; PRIOR FILING DATE: 1998-06-19
 ; PRIOR APPLICATION NUMBER: 60/090246
 ; PRIOR FILING DATE: 1998-06-22
 ; PRIOR APPLICATION NUMBER: 60/090252
 ; PRIOR FILING DATE: 1998-06-22
 ; PRIOR APPLICATION NUMBER: 60/090254
 ; PRIOR FILING DATE: 1998-06-22

1	PRIOR APPLICATION NUMBER: 60/087755
2	PRIOR FILING DATE: 1998-06-02
3	PRIOR APPLICATION NUMBER: 60/087827
4	PRIOR FILING DATE: 1998-06-03
5	PRIOR APPLICATION NUMBER: 60/088021
6	PRIOR FILING DATE: 1998-06-04
7	PRIOR APPLICATION NUMBER: 60/088025
8	PRIOR FILING DATE: 1998-06-04
9	PRIOR APPLICATION NUMBER: 60/088026
10	PRIOR FILING DATE: 1998-06-04
11	PRIOR APPLICATION NUMBER: 60/088028
12	PRIOR FILING DATE: 1998-06-04
13	PRIOR APPLICATION NUMBER: 60/088029
14	PRIOR FILING DATE: 1998-06-04
15	PRIOR APPLICATION NUMBER: 60/088030
16	PRIOR FILING DATE: 1998-06-04
17	PRIOR APPLICATION NUMBER: 60/088033
18	PRIOR FILING DATE: 1998-06-04
19	PRIOR APPLICATION NUMBER: 60/088326
20	PRIOR FILING DATE: 1998-06-04
21	PRIOR APPLICATION NUMBER: 60/088167
22	PRIOR FILING DATE: 1998-06-05
23	PRIOR APPLICATION NUMBER: 60/088202
24	PRIOR FILING DATE: 1998-06-05
25	PRIOR APPLICATION NUMBER: 60/088212
26	PRIOR FILING DATE: 1998-06-05
27	PRIOR APPLICATION NUMBER: 60/088217
28	PRIOR FILING DATE: 1998-06-05
29	PRIOR APPLICATION NUMBER: 60/088655
30	PRIOR FILING DATE: 1998-06-09
31	PRIOR APPLICATION NUMBER: 60/088734
32	PRIOR FILING DATE: 1998-06-10
33	PRIOR APPLICATION NUMBER: 60/088738
34	PRIOR FILING DATE: 1998-06-10
35	PRIOR APPLICATION NUMBER: 60/088742
36	PRIOR FILING DATE: 1998-06-10
37	PRIOR APPLICATION NUMBER: 60/088610
38	PRIOR FILING DATE: 1998-06-10
39	PRIOR APPLICATION NUMBER: 60/088824
40	PRIOR FILING DATE: 1998-06-10
41	PRIOR APPLICATION NUMBER: 60/088826
42	PRIOR FILING DATE: 1998-06-10
43	PRIOR APPLICATION NUMBER: 60/088858
44	PRIOR FILING DATE: 1998-06-11
45	PRIOR APPLICATION NUMBER: 60/088861
46	PRIOR FILING DATE: 1998-06-11
47	PRIOR APPLICATION NUMBER: 60/088876
48	PRIOR FILING DATE: 1998-06-11
49	PRIOR APPLICATION NUMBER: 60/089105
50	PRIOR FILING DATE: 1998-06-12
51	PRIOR APPLICATION NUMBER: 60/089440
52	PRIOR FILING DATE: 1998-06-16
53	PRIOR APPLICATION NUMBER: 60/089512
54	PRIOR FILING DATE: 1998-06-16
55	PRIOR APPLICATION NUMBER: 60/089514
56	PRIOR FILING DATE: 1998-06-16
57	PRIOR APPLICATION NUMBER: 60/089532
58	PRIOR FILING DATE: 1998-06-17
59	PRIOR APPLICATION NUMBER: 60/089538
60	PRIOR FILING DATE: 1998-06-17
61	PRIOR APPLICATION NUMBER: 60/089558
62	PRIOR FILING DATE: 1998-06-17
63	PRIOR APPLICATION NUMBER: 60/089599
64	PRIOR FILING DATE: 1998-06-17
65	PRIOR APPLICATION NUMBER: 60/089600
66	PRIOR FILING DATE: 1998-06-17
67	PRIOR APPLICATION NUMBER: 60/089653
68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089801
70	PRIOR FILING DATE: 1998-06-18
71	PRIOR APPLICATION NUMBER: 60/089907
72	PRIOR FILING DATE: 1998-06-18
73	PRIOR APPLICATION NUMBER: 60/089908

PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089947
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089948
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089952
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/090246
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090252
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090254
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090349
PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090355
PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090429
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090431
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090435
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090444
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090445
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090472
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090535
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090540
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090542
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090557
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090676
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090678
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090690
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090694
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090695
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090696
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090682
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/090863
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/091360
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091478
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091544
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091519
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091626
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091633
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091978
PRIOR FILING DATE:	1998-07-07
PRIOR APPLICATION NUMBER:	60/091982
PRIOR FILING DATE:	1998-07-07
PRIOR APPLICATION NUMBER:	60/092188
PRIOR FILING DATE:	1998-07-09

Query Match

99.08; Score 308.8; DB 9; Length 570;


```

RESULT 7
US-09-989-727-407
Sequence 407, Application US/09989727
Patent No. US20020072497A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bolstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Balon, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PlC65

```

[illegible]

```

PRIORITY APPLICATION NUMBER: 60/090696
PRIORITY FILING DATE: 1998-06-25
PRIORITY APPLICATION NUMBER: 60/090862
PRIORITY FILING DATE: 1998-06-26
PRIORITY APPLICATION NUMBER: 60/090863
PRIORITY FILING DATE: 1998-06-26
PRIORITY APPLICATION NUMBER: 60/091360
PRIORITY FILING DATE: 1998-07-01
PRIORITY APPLICATION NUMBER: 60/091478
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091544
PRIORITY FILING DATE: 1998-07-01
PRIORITY APPLICATION NUMBER: 60/091519
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091626
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091633
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091978
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/091982
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/092182
PRIORITY FILING DATE: 1998-07-09

Query Match          99.0%; Score 308.8; DB 9; Length 570;
Best Local Similarity 99.4%; Pred. No. 1e-63;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAGCTGCGCCCTCTGCGGCTGCGGCGCCCTGCTGAGCTCGCGTCGCT 60
DB 79 ATGAGCTGCGCCCTCTGCGGCTGCGGCGCCCTGCTGAGCTCGCGTCGCT 138
QY 61 TTCTTAGTGGGCTGCGGCGCCCTGCTGAGCTCGCGGCGCGGCGGCG 120
DB 139 TTCTTAGTGGGCTGCGGCGCCCTGCTGAGCTCGCGGCGCGGCGGCG 198
QY 121 GAGCGCGGCGCGGCGCCCTGCTGAGCTCGCGGCGCCCTGCTGAGCTCG 180
DB 199 GAGCGCGGCGCGGCGCCCTGCTGAGCTCGCGGCGCCCTGCTGAGCTCG 258
QY 181 CTGAGCAGCTGCGGCGATCCCGCTGAAACCCCTCATAGAGGCTCCCAAGTGTGCT 240
DB 259 CTGAGCAGCTGCGGCGATCCCGCTGAAACCCCTCATAGAGGCTCCCAAGTGTGCT 318
QY 241 GAGCTGGTCCCGAGCGCGTGGGGCGCGTGAAGGCCCTGAGAGGCCCTGCGGCGCTG 300
DB 319 GAGCTGGTCCCGAGCGCGTGGGGCGCGTGAAGGCCCTGAGAGGCCCTGCGGCGCTG 378
QY 301 ACAGTGTGTGCG 312
DB 379 ACAGTGTGTGCG 390

RESULT 8
US-09-989-731-407
Sequence 407, Application US/09989731
Patent No. US20020103125A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Goddard, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C70
CURRENT FILING DATE: 2001-11-20
PRIORITY FILING DATE: 1997-06-16
PRIORITY APPLICATION NUMBER: 60/049787
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/065186
PRIORITY FILING DATE: 1997-11-12
PRIORITY APPLICATION NUMBER: 60/065311
PRIORITY FILING DATE: 1997-11-13
PRIORITY APPLICATION NUMBER: 60/066770
PRIORITY FILING DATE: 1997-11-24
PRIORITY APPLICATION NUMBER: 60/075945
PRIORITY FILING DATE: 1998-02-25
PRIORITY APPLICATION NUMBER: 60/078910
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: 60/083322
PRIORITY FILING DATE: 1998-04-28
PRIORITY APPLICATION NUMBER: 60/084600
PRIORITY FILING DATE: 1998-05-07
PRIORITY APPLICATION NUMBER: 60/087106
PRIORITY FILING DATE: 1998-05-28
PRIORITY APPLICATION NUMBER: 60/087607
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087609
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087759
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087827
PRIORITY FILING DATE: 1998-06-03
PRIORITY APPLICATION NUMBER: 60/088021
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088025
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088026
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088028
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088029
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088030
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088033
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088326
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088167
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088202
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088212
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088217
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088655
PRIORITY FILING DATE: 1998-06-09
PRIORITY APPLICATION NUMBER: 60/088734
PRIORITY FILING DATE: 1998-06-10
PRIORITY APPLICATION NUMBER: 60/088738
PRIORITY FILING DATE: 1998-06-10
```

1	PRIOR APPLICATION NUMBER: 60/088744
2	PRIOR FILING DATE: 1998-06-10
3	PRIOR APPLICATION NUMBER: 60/088810
4	PRIOR FILING DATE: 1998-06-10
5	PRIOR APPLICATION NUMBER: 60/088822
6	PRIOR FILING DATE: 1998-06-10
7	PRIOR APPLICATION NUMBER: 60/088855
8	PRIOR FILING DATE: 1998-06-10
9	PRIOR APPLICATION NUMBER: 60/088867
10	PRIOR FILING DATE: 1998-06-11
11	PRIOR APPLICATION NUMBER: 60/088910
12	PRIOR FILING DATE: 1998-06-11
13	PRIOR APPLICATION NUMBER: 60/089105
14	PRIOR FILING DATE: 1998-06-12
15	PRIOR APPLICATION NUMBER: 60/089440
16	PRIOR FILING DATE: 1998-06-16
17	PRIOR APPLICATION NUMBER: 60/089512
18	PRIOR FILING DATE: 1998-06-16
19	PRIOR APPLICATION NUMBER: 60/089514
20	PRIOR FILING DATE: 1998-06-17
21	PRIOR APPLICATION NUMBER: 60/089538
22	PRIOR FILING DATE: 1998-06-17
23	PRIOR APPLICATION NUMBER: 60/089588
24	PRIOR FILING DATE: 1998-06-17
25	PRIOR APPLICATION NUMBER: 60/089599
26	PRIOR FILING DATE: 1998-06-17
27	PRIOR APPLICATION NUMBER: 60/089600
28	PRIOR FILING DATE: 1998-06-17
29	PRIOR APPLICATION NUMBER: 60/089653
30	PRIOR FILING DATE: 1998-06-17
31	PRIOR APPLICATION NUMBER: 60/089801
32	PRIOR FILING DATE: 1998-06-18
33	PRIOR APPLICATION NUMBER: 60/089907
34	PRIOR FILING DATE: 1998-06-18
35	PRIOR APPLICATION NUMBER: 60/089908
36	PRIOR FILING DATE: 1998-06-18
37	PRIOR APPLICATION NUMBER: 60/089947
38	PRIOR FILING DATE: 1998-06-19
39	PRIOR APPLICATION NUMBER: 60/089948
40	PRIOR FILING DATE: 1998-06-19
41	PRIOR APPLICATION NUMBER: 60/090246
42	PRIOR FILING DATE: 1998-06-22
43	PRIOR APPLICATION NUMBER: 60/090252
44	PRIOR FILING DATE: 1998-06-22
45	PRIOR APPLICATION NUMBER: 60/090254
46	PRIOR FILING DATE: 1998-06-22
47	PRIOR APPLICATION NUMBER: 60/090349
48	PRIOR FILING DATE: 1998-06-23
49	PRIOR APPLICATION NUMBER: 60/090355
50	PRIOR FILING DATE: 1998-06-23
51	PRIOR APPLICATION NUMBER: 60/090429
52	PRIOR FILING DATE: 1998-06-24
53	PRIOR APPLICATION NUMBER: 60/090431
54	PRIOR FILING DATE: 1998-06-24
55	PRIOR APPLICATION NUMBER: 60/090435
56	PRIOR FILING DATE: 1998-06-24
57	PRIOR APPLICATION NUMBER: 60/090444
58	PRIOR FILING DATE: 1998-06-24
59	PRIOR APPLICATION NUMBER: 60/090445
60	PRIOR FILING DATE: 1998-06-24
61	PRIOR APPLICATION NUMBER: 60/090472
62	PRIOR FILING DATE: 1998-06-24
63	PRIOR APPLICATION NUMBER: 60/090535
64	PRIOR FILING DATE: 1998-06-24
65	PRIOR APPLICATION NUMBER: 60/090540
66	PRIOR FILING DATE: 1998-06-24
67	PRIOR APPLICATION NUMBER: 60/090542

1 PRIOR FILING DATE: 1998-06-24
 2 PRIOR APPLICATION NUMBER: 60/090557
 3 PRIOR FILING DATE: 1998-06-24
 4 PRIOR APPLICATION NUMBER: 60/090676
 5 PRIOR FILING DATE: 1998-06-25
 6 PRIOR APPLICATION NUMBER: 60/090678
 7 PRIOR FILING DATE: 1998-06-25
 8 PRIOR APPLICATION NUMBER: 60/090690
 9 PRIOR FILING DATE: 1998-06-25
 10 PRIOR APPLICATION NUMBER: 60/090694
 11 PRIOR FILING DATE: 1998-06-25
 12 PRIOR APPLICATION NUMBER: 60/090695
 13 PRIOR FILING DATE: 1998-06-25
 14 PRIOR APPLICATION NUMBER: 60/090696
 15 PRIOR FILING DATE: 1998-06-25
 16 PRIOR APPLICATION NUMBER: 60/090862
 17 PRIOR FILING DATE: 1998-06-26
 18 PRIOR APPLICATION NUMBER: 60/090863
 19 PRIOR FILING DATE: 1998-06-26
 20 PRIOR APPLICATION NUMBER: 60/091360
 21 PRIOR FILING DATE: 1998-07-01
 22 PRIOR APPLICATION NUMBER: 60/091478
 23 PRIOR FILING DATE: 1998-07-02
 24 PRIOR APPLICATION NUMBER: 60/091544
 25 PRIOR FILING DATE: 1998-07-01
 26 PRIOR APPLICATION NUMBER: 60/091519
 27 PRIOR FILING DATE: 1998-07-02
 28 PRIOR APPLICATION NUMBER: 60/091626
 29 PRIOR FILING DATE: 1998-07-02
 30 PRIOR APPLICATION NUMBER: 60/091633
 31 PRIOR FILING DATE: 1998-07-02
 32 PRIOR APPLICATION NUMBER: 60/091978
 33 PRIOR FILING DATE: 1998-07-07
 34 PRIOR APPLICATION NUMBER: 60/091982
 35 PRIOR FILING DATE: 1998-07-07
 36 PRIOR APPLICATION NUMBER: 60/092182
 37 PRIOR FILING DATE: 1998-07-09

Query Match	99.0%;	Score 308.8;	DB 10;	Length 570;
Best Local Similarity	99.4%;	Pred. No. 1e-63;		
Matches 310;	Conservative	0;	Mismatches 2;	Indels 0;
				Gaps 0;
QY	1	ATGAAGCTGGCGGCGCTCCTGGGCGTCGCGCTGGGCGCCCTGCTCGACAGCCTCCGCTGCTGCT	60	
Db	79	ATGAAGCTGGCGGCGCTCCTGGGCGTCGCGCTGGGCGCCCTGCTCGACAGCCTCCGCTGCTGCT	138	
QY	61	TTCCTAGTGGGCTGGGCAAGCCTGTGTGGCCAGGCTGTGCTGGCTGGGAGTGGGGGGG	120	
Db	139	TTCCTAGTGGGCTGGGCAAGCCTGTGTGGCCAGGCTGTGCTGGCTGGGAGTGGGGGGG	198	
QY	121	GAGGCGGGGGGGGAGGAGCCTGTGGCCAAACCCCTGGGACACCTCAACCGGCTGAAGGCTCTG	180	
Db	199	GAGGCGGGGGGGGAGGAGCCTGTGGCCAAACCCCTGGGACACCTCAACCGGCTGAAGGCTCTG	258	
QY	181	CAGACAGAGCTGGGGATATCCCGGTAAACAGCTCATAGAGGGCTCCCAAGATGTGTGGCT	240	
Db	259	CAGAGAGAGCTGGGGATATCCCGGTAAACAGCTCATAGAGGGCTCCCAAGATGTGTGGCT	318	
QY	241	GAGCTGGGCTCCCAAGGCGCTGTGGGGCGGTGAAGGCCCTGCTGTGGGGCCCTG	300	
Db	319	GAGCTGGGCTCCCAAGGCGCTGTGGGGCGGTGAAGGCCCTGCTGTGGGGCCCTG	378	
QY	301	ACAGTGTGGC	312	
Db	379	ACAGTGTGGC	390	

;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 99.0%; Score 308.8; DB 10; Length 570;
Best local similarity 99.4%; Pred. No. 1e-63; 2; Indels 0; Gaps 0;
Matches 310; Conservative 0; Mismatches 2;

QY 1 ATGAAGTCGCCGCCCTGCGTGGCGCCCTGCTGCGAGCTCCGTCGCGCT 60
DB 79 ATGAAGTCGCCGCCCTGCGTGGCGCCCTGCTGCGAGCTCCGTCGCGCT 138
QY 61 TTCTTAATGGGCTGGCCAAAGCTGTGGCCAGCCCTGCTGCGCTGGAAGTGGCGCG 120
DB 139 TTCTTAATGGGCTGGCCAAAGCTGTGGCCAGCCCTGCTGCGCTGGAAGTGGCGCG 198
QY 121 GAGCGCGGGCGCGGACCTGCGCAACCCCTCGCGCACTCAACCCGCTGAAGCTCTCG 180
DB 199 GAGCGCGGGCGCGGACCTGCGCAACCCCTCGCGCACTCAACCCGCTGAAGCTCTCG 258
QY 181 CTGAGCAGCTGGGCAATCCCGTGAACCACTCATAGAGGCTCCAGAGTGTGGCT 240
DB 259 CTGAGCAGCTGGGCAATCCCGTGAACCACTCATAGAGGCTCCAGAGTGTGGCT 318
QY 241 GAGTGGGTCCCGCGCGCTGGGCGCGGTGAAGCCCTGAAGGCGCTGGGCGCGCTG 300
|||||

DB 319 GAGCTGGTCCCGGCGCGCTGGGCGCGGTGAAGGCCCTGCTGCGGCGCGCTG 378
QY 301 ACAGTGTTCGGC 312
|||||
DB 379 ACAGTGTTCGGC 390

RESULT 10
US-09-991-073-407
; Sequence 407, Application US/09991073
; Patent No. US20020127576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bolstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlson, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guiney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Psoul, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Matanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C15
; CURRENT APPLICATION NUMBER: US/09/991,073
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30	Q31	Q32	Q33	Q34	Q35	Q36	Q37	Q38	Q39	Q40	Q41	Q42	Q43	Q44	Q45	Q46	Q47	Q48	Q49	Q50	Q51	Q52	Q53	Q54	Q55	Q56	Q57	Q58	Q59	Q60	Q61	Q62	Q63	Q64	Q65	Q66	Q67	Q68	Q69	Q70	Q71	Q72	Q73	Q74	Q75	Q76	Q77	Q78	Q79	Q80	Q81	Q82	Q83	Q84	Q85	Q86	Q87	Q88	Q89	Q90	Q91	Q92	Q93	Q94	Q95	Q96	Q97	Q98	Q99	Q100	Q101	Q102	Q103	Q104	Q105	Q106	Q107	Q108	Q109	Q110	Q111	Q112	Q113	Q114	Q115	Q116	Q117	Q118	Q119	Q120	Q121	Q122	Q123	Q124	Q125	Q126	Q127	Q128	Q129	Q130	Q131	Q132	Q133	Q134	Q135	Q136	Q137	Q138	Q139	Q140	Q141	Q142	Q143	Q144	Q145	Q146	Q147	Q148	Q149	Q150	Q151	Q152	Q153	Q154	Q155	Q156	Q157	Q158	Q159	Q160	Q161	Q162	Q163	Q164	Q165	Q166	Q167	Q168	Q169	Q170	Q171	Q172	Q173	Q174	Q175	Q176	Q177	Q178	Q179	Q180	Q181	Q182	Q183	Q184	Q185	Q186	Q187	Q188	Q189	Q190	Q191	Q192	Q193	Q194	Q195	Q196	Q197	Q198	Q199	Q200	Q201	Q202	Q203	Q204	Q205	Q206	Q207	Q208	Q209	Q210	Q211	Q212	Q213	Q214	Q215	Q216	Q217	Q218	Q219	Q220	Q221	Q222	Q223	Q224	Q225	Q226	Q227	Q228	Q229	Q230	Q231	Q232	Q233	Q234	Q235	Q236	Q237	Q238	Q239	Q240	Q241	Q242	Q243	Q244	Q245	Q246	Q247	Q248	Q249	Q250	Q251	Q252	Q253	Q254	Q255	Q256	Q257	Q258	Q259	Q260	Q261	Q262	Q263	Q264	Q265	Q266	Q267	Q268	Q269	Q270	Q271	Q272	Q273	Q274	Q275	Q276	Q277	Q278	Q279	Q280	Q281	Q282	Q283	Q284	Q285	Q286	Q287	Q288	Q289	Q290	Q291	Q292	Q293	Q294	Q295	Q296	Q297	Q298	Q299	Q300	Q301	Q302	Q303	Q304	Q305	Q306	Q307	Q308	Q309	Q310	Q311	Q312	Q313	Q314	Q315	Q316	Q317	Q318	Q319	Q320	Q321	Q322	Q323	Q324	Q325	Q326	Q327	Q328	Q329	Q330	Q331	Q332	Q333	Q334	Q335	Q336	Q337	Q338	Q339	Q340	Q341	Q342	Q343	Q344	Q345	Q346	Q347	Q348	Q349	Q350	Q351	Q352	Q353	Q354	Q355	Q356	Q357	Q358	Q359	Q360	Q361	Q362	Q363	Q364	Q365	Q366	Q367	Q368	Q369	Q370	Q371	Q372	Q373	Q374	Q375	Q376	Q377	Q378	Q379	Q380	Q381	Q382	Q383	Q384	Q385	Q386	Q387	Q388	Q389	Q390	Q391	Q392	Q393	Q394	Q395	Q396	Q397	Q398	Q399	Q400	Q401	Q402	Q403	Q404	Q405	Q406	Q407	Q408	Q409	Q410	Q411	Q412	Q413	Q414	Q415	Q416	Q417	Q418	Q419	Q420	Q421	Q422	Q423	Q424	Q425	Q426	Q427	Q428	Q429	Q430	Q431	Q432	Q433	Q434	Q435	Q436	Q437	Q438	Q439	Q440	Q441	Q442	Q443	Q444	Q445	Q446	Q447	Q448	Q449	Q450	Q451	Q452	Q453	Q454	Q455	Q456	Q457	Q458	Q459	Q460	Q461	Q462	Q463	Q464	Q465	Q466</
----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	--------

```
Db 139 TTCTATGTGGCTGGCCAGCTGTGGCCACCTGTGCTCTGCTGAGTGGGGGG 198
QY 121 GAGGCGGGGGCGGGGACCTGGGCAACCCCTGGGACCTGAACCGCTGAGTCTTG 180
Db 199 GAGGCGGGGGCGGGGACCTGGGCAACCCCTGGGACCTGAACCGCTGAGTCTTG 258
QY 181 CTGAGCAGCTGGGATCCCGTGAAACCACTATAGAGGCTCCAGAACTGTGGCT 240
Db 259 CTGAGCAGCTGGGATCCCGTGAAACCACTATAGAGGCTCCAGAACTGTGGCT 318
QY 241 GAGCTGGGCTCCAGGCGCTGGGGCGCTGAAAGCCCTGCTGGGGGCGCTG 300
Db 319 GAGCTGGGCTCCAGGCGCTGGGGCGCTGAAAGCCCTGCTGGGGGCGCTG 378
QY 301 ACAGTGTGGG 312
Db 379 ACAGTGTGGG 390

RESULT 11
US-09-990-442-407
Sequence 407, Application US/09990442
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan E.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertsen, Mary E.
APPLICANT: Goddard, Audrey E.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Kjaev, Ivar J.
APPLICANT: Kjaev, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Williams, F. Mickey
APPLICANT: Williams, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC8
CURRENT APPLICATION NUMBER: US/09/990,442
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
```


Query Match	Best local Similarity	99.0%;	Score 308.8;	DB 10;	Length 570;
Matches 310;	Conservative	99.4%;	Pred. No. 1e-63;	Mismatches 2;	Indels 0;
Gaps	0;				
OY	1	ATGAAGCTCGCCGCGCCCTCTGCTGGGCTCTGCGTGGCCCTGCTGCACTGCACTCCGCTGCTGCT	60		
Db	79	ATGAAGCTCGCCGCGCCCTCTGCTGGGCTCTGCGTGGCCCTGCTGCACTGCACTCCGCTGCTGCT	138		
OY	61	TTCCTTAGTGGGTGTGGGCAACCGTGGCCAGCCCTGCTGCGTGGAGTGGAGTGGGCGG	120		
Db	139	TTCCTTAGTGGGTGTGGGCAACCGTGGCCAGCCCTGCTGCGTGGAGTGGAGTGGGCGG	198		
OY	121	GAGCCGGGGGGGGGCAACCGTGGCCAGCCCTGCGCAACCGTGGAGTGGAGTGGGCTG	180		
Db	199	GAGCCGGGGGGGGGCAACCGTGGCCAGCCCTGCGCAACCGTGGAGTGGAGTGGGCTG	258		
OY	181	CTGAGCAGCCCTGGGCGATCCCGCTGAACCACTGCATAGAGGGGCTGCCAGAGTGTGGCT	240		
Db	259	CTGAGCAGCCCTGGGCGATCCCGCTGAACCACTGCATAGAGGGGCTGCCAGAGTGTGGCT	318		
OY	241	GAGCTGGGTCCCAAGGCGCTGGGGGCGCTGAAGGCGCCGTAAGGCGCTGGGGGGCGCTG	300		
Db	319	GAGCTGGGTCCCAAGGCGCTGGGGGCGCTGAAGGCGCCGTAAGGCGCTGGGGGGCGCTG	378		
OY	301	ACAGTGTGTGGC 312			
Db	379	ACAGTGTGTGGC 390			

us-10-081-817a-3.rnpb

Page 16

1	PRIOR APPLICATION NUMBER: 60/065311
2	PRIOR FILING DATE: 1997-11-13
3	PRIOR APPLICATION NUMBER: 60/066770
4	PRIOR FILING DATE: 1997-11-24
5	PRIOR APPLICATION NUMBER: 60/075945
6	PRIOR FILING DATE: 1998-02-25
7	PRIOR APPLICATION NUMBER: 60/078910
8	PRIOR FILING DATE: 1998-03-20
9	PRIOR APPLICATION NUMBER: 60/083322
10	PRIOR FILING DATE: 1998-04-28
11	PRIOR APPLICATION NUMBER: 60/084600
12	PRIOR FILING DATE: 1998-05-07
13	PRIOR APPLICATION NUMBER: 60/087106
14	PRIOR FILING DATE: 1998-05-28
15	PRIOR APPLICATION NUMBER: 60/087607
16	PRIOR FILING DATE: 1998-06-02
17	PRIOR APPLICATION NUMBER: 60/087609
18	PRIOR FILING DATE: 1998-06-02
19	PRIOR APPLICATION NUMBER: 60/087759
20	PRIOR FILING DATE: 1998-06-02
21	PRIOR APPLICATION NUMBER: 60/087827
22	PRIOR FILING DATE: 1998-06-03
23	PRIOR APPLICATION NUMBER: 60/088021
24	PRIOR FILING DATE: 1998-06-04
25	PRIOR APPLICATION NUMBER: 60/088025
26	PRIOR FILING DATE: 1998-06-04
27	PRIOR APPLICATION NUMBER: 60/088026
28	PRIOR FILING DATE: 1998-06-04
29	PRIOR APPLICATION NUMBER: 60/088028
30	PRIOR FILING DATE: 1998-06-04
31	PRIOR APPLICATION NUMBER: 60/088029
32	PRIOR FILING DATE: 1998-06-04
33	PRIOR APPLICATION NUMBER: 60/088030
34	PRIOR FILING DATE: 1998-06-04
35	PRIOR APPLICATION NUMBER: 60/088033
36	PRIOR FILING DATE: 1998-06-04
37	PRIOR APPLICATION NUMBER: 60/088167
38	PRIOR FILING DATE: 1998-06-05
39	PRIOR APPLICATION NUMBER: 60/088202
40	PRIOR FILING DATE: 1998-06-05
41	PRIOR APPLICATION NUMBER: 60/088212
42	PRIOR FILING DATE: 1998-06-05
43	PRIOR APPLICATION NUMBER: 60/088217
44	PRIOR FILING DATE: 1998-06-05
45	PRIOR APPLICATION NUMBER: 60/088655
46	PRIOR FILING DATE: 1998-06-09
47	PRIOR APPLICATION NUMBER: 60/088734
48	PRIOR FILING DATE: 1998-06-10
49	PRIOR APPLICATION NUMBER: 60/088738
50	PRIOR FILING DATE: 1998-06-10
51	PRIOR APPLICATION NUMBER: 60/088742
52	PRIOR FILING DATE: 1998-06-10
53	PRIOR APPLICATION NUMBER: 60/088810
54	PRIOR FILING DATE: 1998-06-10
55	PRIOR APPLICATION NUMBER: 60/088824
56	PRIOR FILING DATE: 1998-06-10
57	PRIOR APPLICATION NUMBER: 60/088826
58	PRIOR FILING DATE: 1998-06-10
59	PRIOR APPLICATION NUMBER: 60/088858
60	PRIOR FILING DATE: 1998-06-11
61	PRIOR APPLICATION NUMBER: 60/088861
62	PRIOR FILING DATE: 1998-06-11
63	PRIOR APPLICATION NUMBER: 60/088876
64	PRIOR FILING DATE: 1998-06-11
65	PRIOR APPLICATION NUMBER: 60/089105
66	PRIOR FILING DATE: 1998-06-12
67	PRIOR APPLICATION NUMBER: 60/089440
68	PRIOR FILING DATE: 1998-06-16
69	PRIOR APPLICATION NUMBER: 60/089512
70	PRIOR FILING DATE: 1998-06-16
71	PRIOR APPLICATION NUMBER: 60/089514
72	PRIOR FILING DATE: 1998-06-16
73	PRIOR APPLICATION NUMBER: 60/090335
74	PRIOR FILING DATE: 1998-06-23
75	PRIOR APPLICATION NUMBER: 60/090355
76	PRIOR FILING DATE: 1998-06-23
77	PRIOR APPLICATION NUMBER: 60/090429
78	PRIOR FILING DATE: 1998-06-24
79	PRIOR APPLICATION NUMBER: 60/090431
80	PRIOR FILING DATE: 1998-06-24
81	PRIOR APPLICATION NUMBER: 60/090435
82	PRIOR FILING DATE: 1998-06-24
83	PRIOR APPLICATION NUMBER: 60/090444
84	PRIOR FILING DATE: 1998-06-24
85	PRIOR APPLICATION NUMBER: 60/090445
86	PRIOR FILING DATE: 1998-06-24
87	PRIOR APPLICATION NUMBER: 60/090472
88	PRIOR FILING DATE: 1998-06-24
89	PRIOR APPLICATION NUMBER: 60/090535
90	PRIOR FILING DATE: 1998-06-24
91	PRIOR APPLICATION NUMBER: 60/090540
92	PRIOR FILING DATE: 1998-06-24
93	PRIOR APPLICATION NUMBER: 60/090542
94	PRIOR FILING DATE: 1998-06-24
95	PRIOR APPLICATION NUMBER: 60/090557
96	PRIOR FILING DATE: 1998-06-24
97	PRIOR APPLICATION NUMBER: 60/090676
98	PRIOR FILING DATE: 1998-06-25
99	PRIOR APPLICATION NUMBER: 60/090678
100	PRIOR FILING DATE: 1998-06-25
101	PRIOR APPLICATION NUMBER: 60/090690
102	PRIOR FILING DATE: 1998-06-25
103	PRIOR APPLICATION NUMBER: 60/090694
104	PRIOR FILING DATE: 1998-06-25
105	PRIOR APPLICATION NUMBER: 60/090695
106	PRIOR FILING DATE: 1998-06-25
107	PRIOR APPLICATION NUMBER: 60/090696
108	PRIOR FILING DATE: 1998-06-25
109	PRIOR APPLICATION NUMBER: 60/090862
110	PRIOR FILING DATE: 1998-06-26
111	PRIOR APPLICATION NUMBER: 60/090863
112	PRIOR FILING DATE: 1998-06-26
113	PRIOR APPLICATION NUMBER: 60/091360
114	PRIOR FILING DATE: 1998-06-26
115	PRIOR APPLICATION NUMBER: 60/091360
116	PRIOR FILING DATE: 1998-06-26
117	PRIOR APPLICATION NUMBER: 60/091360
118	PRIOR FILING DATE: 1998-06-26
119	PRIOR APPLICATION NUMBER: 60/091360
120	PRIOR FILING DATE: 1998-06-26
121	PRIOR APPLICATION NUMBER: 60/091360
122	PRIOR FILING DATE: 1998-06-26
123	PRIOR APPLICATION NUMBER: 60/091360
124	PRIOR

1	APPLICANT:	Wood, William I.
2	APPLICANT:	Zhang, Zemin
3	TITLE OF INVENTION:	Secreted and Transmembrane Polypeptides and Nucleic
4	TITLE OF INVENTION:	Acids Encoding the Same
5	FILE REFERENCE:	P2730P1C25
6	CURRENT FILING DATE:	2001-11-14
7	CURRENT FILING DATE:	2001-11-14
8	PRIOR APPLICATION NUMBER:	60/049787
9	PRIOR FILING DATE:	1997-06-16
10	PRIOR APPLICATION NUMBER:	60/062250
11	PRIOR FILING DATE:	1997-10-17
12	PRIOR APPLICATION NUMBER:	60/065186
13	PRIOR FILING DATE:	1997-11-12
14	PRIOR APPLICATION NUMBER:	60/065311
15	PRIOR FILING DATE:	1997-11-13
16	PRIOR APPLICATION NUMBER:	60/066770
17	PRIOR FILING DATE:	1997-11-24
18	PRIOR APPLICATION NUMBER:	60/075945
19	PRIOR FILING DATE:	1998-02-25
20	PRIOR APPLICATION NUMBER:	60/078910
21	PRIOR FILING DATE:	1998-03-20
22	PRIOR APPLICATION NUMBER:	60/083322
23	PRIOR FILING DATE:	1998-04-28
24	PRIOR APPLICATION NUMBER:	60/084600
25	PRIOR FILING DATE:	1998-05-07
26	PRIOR APPLICATION NUMBER:	60/087106
27	PRIOR FILING DATE:	1998-05-28
28	PRIOR APPLICATION NUMBER:	60/087607
29	PRIOR FILING DATE:	1998-06-02
30	PRIOR APPLICATION NUMBER:	60/087609
31	PRIOR FILING DATE:	1998-06-02
32	PRIOR APPLICATION NUMBER:	60/087759
33	PRIOR FILING DATE:	1998-06-02
34	PRIOR APPLICATION NUMBER:	60/087827
35	PRIOR FILING DATE:	1998-06-03
36	PRIOR APPLICATION NUMBER:	60/088021
37	PRIOR FILING DATE:	1998-06-04
38	PRIOR APPLICATION NUMBER:	60/088025
39	PRIOR FILING DATE:	1998-06-04
40	PRIOR APPLICATION NUMBER:	60/088026
41	PRIOR FILING DATE:	1998-06-04
42	PRIOR APPLICATION NUMBER:	60/088028
43	PRIOR FILING DATE:	1998-06-04
44	PRIOR APPLICATION NUMBER:	60/088029
45	PRIOR FILING DATE:	1998-06-04
46	PRIOR APPLICATION NUMBER:	60/088030
47	PRIOR FILING DATE:	1998-06-04
48	PRIOR APPLICATION NUMBER:	60/088033
49	PRIOR FILING DATE:	1998-06-04
50	PRIOR APPLICATION NUMBER:	60/088336
51	PRIOR FILING DATE:	1998-06-04
52	PRIOR APPLICATION NUMBER:	60/088167
53	PRIOR FILING DATE:	1998-06-05
54	PRIOR APPLICATION NUMBER:	60/088202
55	PRIOR FILING DATE:	1998-06-05
56	PRIOR APPLICATION NUMBER:	60/088212
57	PRIOR FILING DATE:	1998-06-05
58	PRIOR APPLICATION NUMBER:	60/088217
59	PRIOR FILING DATE:	1998-06-05
60	PRIOR APPLICATION NUMBER:	60/088655
61	PRIOR FILING DATE:	1998-06-09
62	PRIOR APPLICATION NUMBER:	60/088734
63	PRIOR FILING DATE:	1998-06-10
64	PRIOR APPLICATION NUMBER:	60/088738
65	PRIOR FILING DATE:	1998-06-10
66	PRIOR APPLICATION NUMBER:	60/088742
67	PRIOR FILING DATE:	1998-06-10
68	PRIOR APPLICATION NUMBER:	60/088810
69	PRIOR FILING DATE:	1998-06-10
70	PRIOR APPLICATION NUMBER:	60/088824
71	PRIOR FILING DATE:	1998-06-10
72	PRIOR APPLICATION NUMBER:	60/088826
73	PRIOR FILING DATE:	1998-06-10

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC22
CURRENT FILING DATE: 2001-11-14
CURRENT FILING NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR FILING NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR FILING NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR FILING NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR FILING NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR FILING NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR FILING NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR FILING NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR FILING NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR FILING NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR FILING NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR FILING NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR FILING NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR FILING NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR FILING NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR FILING NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR FILING NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR FILING NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR FILING NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR FILING NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR FILING NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR FILING NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR FILING NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR FILING NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR FILING NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR FILING NUMBER: 60/088655

PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24

PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090429
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090431
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090435
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090444
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090445
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090472
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090535
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090540
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090542
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090557
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090676
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090678
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090690
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090694
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090695
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090696
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090862
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/090865
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/091360
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091478
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091544
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091515
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091622
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091633
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091978
PRIOR FILING DATE:	1998-07-07
PRIOR APPLICATION NUMBER:	60/091987
PRIOR FILING DATE:	1998-07-07
PRIOR APPLICATION NUMBER:	60/092187
PRIOR FILING DATE:	1998-07-09
PRIOR APPLICATION NUMBER:	60/092188
PRIOR FILING DATE:	1998-07-09

	Query Match	Similarity	99.0%	Score	308.8	DB	10	Length	570
	Best Local	Similarity	99.4%	Pred. No.	1e-63				
	Matches	310	Conservative	0	Mismatches	2	Indels	0	Gaps
QY	1	ATGAACCTGGCGCCCTCTCTGGGGGCTGTCGTCGGGCGCCGTCCTCAGCTCGGTCGCGCT	60						
Db	79	ATGAACCTGGCGCCCTCTCTGGGGGCTGTCGTCGGGCGCCGTCCTCAGCTCGGTCGCGCT	138						
QY	61	TTCCTTGTGGGCTGGGCAAGCCTGTGGCCAGCCTGTGCTGGTGGAGTGGGGGGG	120						
Db	139	TTCCTTGTGGGCTGGGCAAGCCTGTGGCCAGCCTGTGCTGGTGGAGTGGGGGGG	198						
QY	121	GAGGCGGGGGCGGCAACCTGTGGCCAAACCCGTCGGGACCCCAACGCGGTGAAGTCTCT	180						
Db	199	GAGGCGGGGGCGGCAACCTGTGGCCAAACCCGTCGGGACCCCAACGCGGTGAAGTCTCT	258						
QY	181	CTGAGCAGCCTGGGCACTCCCGGTGAACCACTCATAGAGGCTCCCAAGATGTGTGGCT	240						

Db	259	CTGAGCAGCCTGGGCAATCCCCGTAACCACTCATATAGAGGCTCCCAAGTGTGTGCT	318
Qy	241	GAGCTGGTCCCGAGGCGGTGGGGCCCTGAAGCCCTGAAGCCCTGCTGGGGCCCTG	300
Db	319	GAGCTGGTCCCGAGGCGGTGGGGCCCTGAAGCCCTGAAGCCCTGCTGGGGCCCTG	378
Qy	301	ACAGTGTGGG	312
Db	379	ACAGTGTGGG	390

Search completed: September 20, 2003, 03:21:36
Job time : 128.366 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw.model

Run on: September 19, 2003, 23:37:59 ; Search time 1984.44 Seconds
(without alignments)
5214.127 Million cell updates/sec

Title: US-10-081-817A-3

Perfect score: 312
Sequence: 1 atgaagctcgccgcctcct.....gggcctgacagtggttggc 312

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 33363688 seqs, 1658189874 residues

Total number of hits satisfying chosen parameters: 66727376

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending Patents-NA_Main.*
1: /cgn2_6/ptodata/2/pna/PCRNUS.COMB.seq.*
2: /cgn2_6/ptodata/2/pna/US0100B.COMB.seq.*
3: /cgn2_6/ptodata/2/pna/US0101A.COMB.seq.*
4: /cgn2_6/ptodata/2/pna/US0101B.COMB.seq.*
5: /cgn2_6/ptodata/2/pna/US0102A.COMB.seq.*
6: /cgn2_6/ptodata/2/pna/US0102B.COMB.seq.*
7: /cgn2_6/ptodata/2/pna/US0103A.COMB.seq.*
8: /cgn2_6/ptodata/2/pna/US0103B.COMB.seq.*
9: /cgn2_6/ptodata/2/pna/US0104A.COMB.seq.*
10: /cgn2_6/ptodata/2/pna/US0104B.COMB.seq.*
11: /cgn2_6/ptodata/2/pna/US0105A.COMB.seq.*
12: /cgn2_6/ptodata/2/pna/US0105B.COMB.seq.*
13: /cgn2_6/ptodata/2/pna/US0106A.COMB.seq.*
14: /cgn2_6/ptodata/2/pna/US0106B.COMB.seq.*
15: /cgn2_6/ptodata/2/pna/US0107A.COMB.seq.*
16: /cgn2_6/ptodata/2/pna/US0107B.COMB.seq.*
17: /cgn2_6/ptodata/2/pna/US0108A.COMB.seq.*
18: /cgn2_6/ptodata/2/pna/US0108B.COMB.seq.*
19: /cgn2_6/ptodata/2/pna/US0109A.COMB.seq.*
20: /cgn2_6/ptodata/2/pna/US0109B.COMB.seq.*
21: /cgn2_6/ptodata/2/pna/US0110A.COMB.seq.*
22: /cgn2_6/ptodata/2/pna/US0110B.COMB.seq.*
23: /cgn2_6/ptodata/2/pna/US0111A.COMB.seq.*
24: /cgn2_6/ptodata/2/pna/US0111B.COMB.seq.*
25: /cgn2_6/ptodata/2/pna/US0112A.COMB.seq.*
26: /cgn2_6/ptodata/2/pna/US0112B.COMB.seq.*
27: /cgn2_6/ptodata/2/pna/US0113A.COMB.seq.*
28: /cgn2_6/ptodata/2/pna/US0113B.COMB.seq.*
29: /cgn2_6/ptodata/2/pna/US0114A.COMB.seq.*
30: /cgn2_6/ptodata/2/pna/US0114B.COMB.seq.*
31: /cgn2_6/ptodata/2/pna/US0115A.COMB.seq.*
32: /cgn2_6/ptodata/2/pna/US0115B.COMB.seq.*
33: /cgn2_6/ptodata/2/pna/US0116A.COMB.seq.*
34: /cgn2_6/ptodata/2/pna/US0116B.COMB.seq.*
35: /cgn2_6/ptodata/2/pna/US0117A.COMB.seq.*
36: /cgn2_6/ptodata/2/pna/US0117B.COMB.seq.*
37: /cgn2_6/ptodata/2/pna/US0118A.COMB.seq.*
38: /cgn2_6/ptodata/2/pna/US0118B.COMB.seq.*
39: /cgn2_6/ptodata/2/pna/US0119A.COMB.seq.*
40: /cgn2_6/ptodata/2/pna/US0119B.COMB.seq.*
41: /cgn2_6/ptodata/2/pna/US0120A.COMB.seq.*
42: /cgn2_6/ptodata/2/pna/US0120B.COMB.seq.*
43: /cgn2_6/ptodata/2/pna/US0121A.COMB.seq.*

44: /cgn2_6/ptodata/2/pna/US0121B.COMB.seq.*
45: /cgn2_6/ptodata/2/pna/US0122A.COMB.seq.*
46: /cgn2_6/ptodata/2/pna/US0122B.COMB.seq.*
47: /cgn2_6/ptodata/2/pna/US0123A.COMB.seq.*
48: /cgn2_6/ptodata/2/pna/US0123B.COMB.seq.*
49: /cgn2_6/ptodata/2/pna/US0124A.COMB.seq.*
50: /cgn2_6/ptodata/2/pna/US0124B.COMB.seq.*
51: /cgn2_6/ptodata/2/pna/US0125A.COMB.seq.*
52: /cgn2_6/ptodata/2/pna/US0125B.COMB.seq.*
53: /cgn2_6/ptodata/2/pna/US0126A.COMB.seq.*
54: /cgn2_6/ptodata/2/pna/US0126B.COMB.seq.*
55: /cgn2_6/ptodata/2/pna/US0127A.COMB.seq.*
56: /cgn2_6/ptodata/2/pna/US0127B.COMB.seq.*
57: /cgn2_6/ptodata/2/pna/US0128A.COMB.seq.*
58: /cgn2_6/ptodata/2/pna/US0128B.COMB.seq.*
59: /cgn2_6/ptodata/2/pna/US0129A.COMB.seq.*
60: /cgn2_6/ptodata/2/pna/US0129B.COMB.seq.*
61: /cgn2_6/ptodata/2/pna/US0130A.COMB.seq.*
62: /cgn2_6/ptodata/2/pna/US0130B.COMB.seq.*
63: /cgn2_6/ptodata/2/pna/US0131A.COMB.seq.*
64: /cgn2_6/ptodata/2/pna/US0131B.COMB.seq.*
65: /cgn2_6/ptodata/2/pna/US0132A.COMB.seq.*
66: /cgn2_6/ptodata/2/pna/US0132B.COMB.seq.*
67: /cgn2_6/ptodata/2/pna/US0133A.COMB.seq.*
68: /cgn2_6/ptodata/2/pna/US0133B.COMB.seq.*
69: /cgn2_6/ptodata/2/pna/US0134A.COMB.seq.*
70: /cgn2_6/ptodata/2/pna/US0134B.COMB.seq.*
71: /cgn2_6/ptodata/2/pna/US0135A.COMB.seq.*
72: /cgn2_6/ptodata/2/pna/US0135B.COMB.seq.*
73: /cgn2_6/ptodata/2/pna/US0136A.COMB.seq.*
74: /cgn2_6/ptodata/2/pna/US0136B.COMB.seq.*
75: /cgn2_6/ptodata/2/pna/US0137A.COMB.seq.*
76: /cgn2_6/ptodata/2/pna/US0137B.COMB.seq.*
77: /cgn2_6/ptodata/2/pna/US0138A.COMB.seq.*
78: /cgn2_6/ptodata/2/pna/US0138B.COMB.seq.*
79: /cgn2_6/ptodata/2/pna/US0139A.COMB.seq.*
80: /cgn2_6/ptodata/2/pna/US0139B.COMB.seq.*
81: /cgn2_6/ptodata/2/pna/US0140A.COMB.seq.*
82: /cgn2_6/ptodata/2/pna/US0140B.COMB.seq.*
83: /cgn2_6/ptodata/2/pna/US0141A.COMB.seq.*
84: /cgn2_6/ptodata/2/pna/US0141B.COMB.seq.*
85: /cgn2_6/ptodata/2/pna/US0142A.COMB.seq.*
86: /cgn2_6/ptodata/2/pna/US0142B.COMB.seq.*
87: /cgn2_6/ptodata/2/pna/US0143A.COMB.seq.*
88: /cgn2_6/ptodata/2/pna/US0143B.COMB.seq.*
89: /cgn2_6/ptodata/2/pna/US0144A.COMB.seq.*
90: /cgn2_6/ptodata/2/pna/US0144B.COMB.seq.*
91: /cgn2_6/ptodata/2/pna/US0145A.COMB.seq.*
92: /cgn2_6/ptodata/2/pna/US0145B.COMB.seq.*
93: /cgn2_6/ptodata/2/pna/US0146A.COMB.seq.*
94: /cgn2_6/ptodata/2/pna/US0146B.COMB.seq.*
95: /cgn2_6/ptodata/2/pna/US0147A.COMB.seq.*
96: /cgn2_6/ptodata/2/pna/US0147B.COMB.seq.*
97: /cgn2_6/ptodata/2/pna/US0148A.COMB.seq.*
98: /cgn2_6/ptodata/2/pna/US0148B.COMB.seq.*
99: /cgn2_6/ptodata/2/pna/US0149A.COMB.seq.*
100: /cgn2_6/ptodata/2/pna/US0149B.COMB.seq.*
101: /cgn2_6/ptodata/2/pna/US0150A.COMB.seq.*
102: /cgn2_6/ptodata/2/pna/US0150B.COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	312	100.0	312	1	PCT-US02-05403-3
2	312	100.0	312	45	US-10-081-817-3
3	312	100.0	461	53	US-10-631-467-467
4	308.8	99.0	446	21	US-09-489-036-35171

5	308.8	99.0	446	40	US-09-943-143-35171	Sequence 35171, A
6	308.8	99.0	461	99	US-09-449-155-361	Sequence 36, App
7	308.8	99.0	467	31	US-09-710-281-179	Sequence 179, App
8	308.8	99.0	469	47	US-10-170-235-38638	Sequence 38638, A
9	308.8	99.0	491	18	US-09-217-227-11845	Sequence 11845, A
10	308.8	99.0	491	19	US-09-346-956-15624	Sequence 15624, A
11	308.8	99.0	491	38	US-09-904-703-15524	Sequence 15524, A
12	308.8	99.0	491	31	US-09-909-627-11845	Sequence 11845, A
13	308.8	99.0	512	21	US-09-471-275-10199	Sequence 10199, A
14	308.8	99.0	512	21	US-09-488-7258-495	Sequence 495, App
15	308.8	99.0	518	12	US-08-791-710-4	Sequence 4, App
16	308.8	99.0	519	15	US-09-016-387-6	Sequence 6, App
17	308.8	99.0	527	48	US-10-242-799-18	Sequence 18, App
18	308.8	99.0	527	52	US-10-426-002-18	Sequence 18, App
19	308.8	99.0	543	1	PCT-US99-10344-6	Sequence 6, App
20	308.8	99.0	543	2	PCT-US99-10344-6	Sequence 6, App
21	308.8	99.0	543	31	US-09-700-770-6	Sequence 6, App
22	308.8	99.0	543	32	US-09-720-533-199	Sequence 199, App
23	308.8	99.0	543	63	US-60-090-762-130	Sequence 130, App
24	308.8	99.0	561	48	US-10-237-335-6	Sequence 6, App
25	308.8	99.0	561	86	US-60-317-822-6	Sequence 6, App
26	308.8	99.0	562	1	PCT-US01-09339-8	Sequence 8, App
27	308.8	99.0	562	1	PCT-US01-09339-8	Sequence 8, App
28	308.8	99.0	562	15	US-09-016-387-5	Sequence 5, App
29	308.8	99.0	562	24	US-09-549-342A-8	Sequence 8, App
30	308.8	99.0	563	61	US-60-070-771-1147	Sequence 1147, App
31	308.8	99.0	569	39	US-09-927-796-27	Sequence 27, App
32	308.8	99.0	569	48	US-10-210-951-27	Sequence 27, App
33	308.8	99.0	569	48	US-10-211-858-27	Sequence 27, App
34	308.8	99.0	569	48	US-10-211-884-27	Sequence 27, App
35	308.8	99.0	570	31	US-09-709-238-407	Sequence 407, App
36	308.8	99.0	570	40	US-09-961-592-407	Sequence 407, App
37	308.8	99.0	570	43	US-09-969-79-407	Sequence 407, App
38	308.8	99.0	570	43	US-09-969-938A-407	Sequence 407, App
39	308.8	99.0	570	43	US-09-969-928-407	Sequence 407, App
40	308.8	99.0	570	43	US-09-969-721-407	Sequence 407, App
41	308.8	99.0	570	43	US-09-969-722-407	Sequence 407, App
42	308.8	99.0	570	43	US-09-969-723-407	Sequence 407, App
43	308.8	99.0	570	43	US-09-969-724-407	Sequence 407, App
44	308.8	99.0	570	43	US-09-969-725-407	Sequence 407, App
45	308.8	99.0	570	43	US-09-969-726-407	Sequence 407, App

ALIGNMENTS

```

PCCT-0502-05403-3
RESULT 1
Sequence 3, Application PC/TUS0205403
GENERAL INFORMATION:
APPLICANT: Dana-Farber Cancer Institute, Inc.
TITLE OF INVENTION: H1N-1, A TUMOR SUPPRESSOR GENE
FILE REFERENCE: 00530-094W01
CURRENT APPLICATION NUMBER: PC/TUS02/05403
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/270,973
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/351,908
PRIOR FILING DATE: 2002-01-25
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 312
TYPE: DNA
ORGANISM: Homo sapiens
PCCT-0502-05403-3

```

Query Match	100.0%;	Score 312;	DB 1;	Length 312;
Best Local Similarity	100.0%;	Pred. No. 4.1e-46;		
Matches 312; Conservative	0;	Mismatches	0;	Gaps 0

1 ATGAAGCTCGCCCGCCCTCCTGCGGCTCTGCGTGGCCCTTTCCTCGACAGCTCCGCTGCT 60

Db	1	ATGAGAGCTGCGCCGCTCTCTGGGGGCTTGTGCTGTGGGCCCTGTGCTGTGAGACTCCGCTGTGCT	60
OY	61	TTCTTATGTTGGGCTTCGGGCAAGCTGTGGCCCAAGCTGTGTGGTGGGTGAATGTGGGGGG	120
Db	61	TTCTTATGTTGGGCTTCGGGCAAGCTGTGGGCCAAGCTGTGGCTGTGGCTGTGAGATCGGGGGC	120
OY	121	GAGGCGGGGGCGGGAGACCTGTGGCCAAACCCCTCTGGGACACCTTCAACCCGGCTGAAGTCTTG	180
Db	121	GAGGCGGGGGCGGGAGACCTGTGGCCAAACCCCTCTGGGACACCTTCAACCCGGCTGAAGTCTTG	180
OY	181	CTGAGCAGAGCTGTGGGTCATCCCGGTGAACCACTCATAGAGGGCTCCCAAGAGTGTGTGCT	240
Db	181	CTGAGCAGAGCTGTGGGTCATCCCGGTGAACCACTCATAGAGGGCTCCCAAGAGTGTGTGCT	240
OY	241	GAGCTGTGGTCCCAAGGCGGTGGGGGCGGTGAAGGCCCTGAAGGCCCTGTGTGGGGGCCCTTG	300
Db	241	GAGCTGTGGTCCCAAGGCGGTGGGGGCGGTGAAGGCCCTGAAGGCCCTGTGTGGGGGCCCTTG	300
OY	301	ACAGTGTATTGGC	312
Db	301	ACAGTGTATTGGC	312

RESULT 2

```

US-10-081-817-3
; Sequence 3, Application US/10081817
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Sgroi, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT APPLICATION NUMBER: US/10/081,817
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: 60/270,973
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/351,908
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 312
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-081-817-3

```

Query Match	100.0%	Score 312; DB 45;	Length 312;
Best Local Similarity	100.0%;	Pred. No. 4; Le-46;	
Matches 312; Conservative	0;	Mismatches 0;	Indels 0; Gaps 0;

QY	1	ATGAACGTGGCGCCCTCTGGGGGCTGTCGCGGGGCGCTGCTGACACTCGCGTCGCT	60
Db	1	ATGAGACTCAGCCCTCTGGGGGCTGCGGGGCTCTCTGACACTCGCGTCGCT	60
QY	61	TTCCTTAGTGGGCTCGGGSCCAAGCCTGTGGGCGCAGCGCTGCTGGGGGCGGAGATCGGGGGG	120
Db	61	TTCCTTAGTGGGCTCGGGSCCAAGCCTGTGGGCGCAGCGCTGCTGGGGTGGAGATGGGGGGG	120
QY	121	GAGGGCGGGGCGGGGACCTGTGGSCCAACCCCTCTGGGACCTTCACACCGCGTGAAGCTCTG	180
Db	121	GAGGCGGGGGCGGGGACCTGTGGSCCAACCCCTCTGGGACCTTCACACCGCGTGAAGCTCTG	180
QY	181	CTGAGGAGCCTGGGCGTCCCGGTGAACACCTCATATAGAGGGCTCCAGAAATGTGTGGCT	240
Db	181	CTGAGGAGCCTGGGCGTCCCGGTGAACACCTCATATAGAGGGCTCCAGAAATGTGTGGCT	240
QY	241	GAGCTGGGTCCCGAGGCGCTGGGGGCGCGGAAGGCGCTGTGAAGGGCGCTGGGGGCGCTG	300
Db	241	GAGCTGGGTCCCGAGGCGCTGGGGGCGCGGAAGGCGCTGTGAAGGCGCTGTGGGGGCGCTG	300
QY	301	ACAGTGTGGG C 312	

```
Db      301 ACAGTGTGGC 312

RESULT 3
US-10-631-467-467
; Sequence 467, Application US/10631467
; GENERAL INFORMATION:
; APPLICANT: Genox Research Inc.
; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive R
; TITLE OF INVENTION: disease
; FILE REFERENCE: 3462.1005-000
; CURRENT APPLICATION NUMBER: US/10/631,467
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: JP 2003-077212
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: JP 2002-229312
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2086
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 467
; LENGTH: 461
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-631-467-467

Query Match      100.0%; Score 312; DB 53; Length 461;
Best Local Similarity 100.0%; Pred. No. 3,9e-46;
Matches 312; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATGAAGCTGCGCGCCCTCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 60
      |||||||
Db      22 ATGAAGCTGCGCGCCCTCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 81
      |||||||

QY      61 TTCTTAGTGGGCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 120
      |||||||
Db      82 TTCTTAGTGGGCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 141
      |||||||

QY      121 GAGCGCGGGCGGGAGCCCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 180
      |||||||
Db      142 GAGCGCGGGCGGGAGCCCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 201
      |||||||

QY      181 CTGAGCAAGCTGCGGAGCTGCGGAGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCTGCAAGCTCCGCTGCT 240
      |||||||
Db      202 CTGAGCAAGCTGCGGAGCTGCGGAGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCTGCAAGCTCCGCTGCT 261
      |||||||

QY      241 GAGCTGGGTCGCCAGGCGCGTGGGCGCGTGAAGGCCCTGGAAGGCCCTGCTGCGGAGCCCTG 300
      |||||||
Db      262 GAGCTGGGTCGCCAGGCGCGTGGGCGCGTGAAGGCCCTGGAAGGCCCTGCTGCGGAGCCCTG 321
      |||||||

QY      301 ACAGTGTGGC 312
      |||||||
Db      322 ACAGTGTGGC 333
      |||||||

RESULT 4
US-09-489-036-35171
; Sequence 35171, Application US/09489036
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
; TITLE OF INVENTION: From Various Libraries
; FILE REFERENCE: 783
; CURRENT APPLICATION NUMBER: US/09/489,036
; CURRENT FILING DATE: 2000-01-19
; NUMBER OF SEQ ID NOS: 35324
; SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 35171
; LENGTH: 446
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(446)

; OTHER INFORMATION: n = A,T,C or G
US-09-489-036-35171

Query Match      99.0%; Score 308.8; DB 21; Length 446;
Best Local Similarity 99.4%; Pred. No. 1.5e-45;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 ATGAAGCTGCGCGCCCTCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 60
      |||||||
Db      91 ATGAAGCTGCGCGCCCTCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 150
      |||||||

QY      61 TTCTTAGTGGGCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 120
      |||||||
Db      151 TTCTTAGTGGGCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 210
      |||||||

QY      121 GAGCGCGGGCGGGAGCCCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 180
      |||||||
Db      211 GAGCGCGGGCGGGAGCCCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 270
      |||||||

QY      181 CTGAGCAAGCTGCGGAGCTGCGGAGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCTGCAAGCTCCGCTGCT 240
      |||||||
Db      271 CTGAGCAAGCTGCGGAGCTGCGGAGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCTGCAAGCTCCGCTGCT 330
      |||||||

QY      241 GAGCTGGTCCCGAAGCCCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCTGCAAGCTCCGCTGCT 300
      |||||||
Db      331 GAGCTGGTCCCGAAGCCCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCTGCAAGCTCCGCTGCT 390
      |||||||

QY      301 ACAGTGTGGC 312
      |||||||
Db      391 ACAGTGTGGC 402
      |||||||

RESULT 5
US-09-943-143-35171
; Sequence 35171, Application US/09943143
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
; TITLE OF INVENTION: From Various Libraries
; FILE REFERENCE: 783
; CURRENT APPLICATION NUMBER: US/09/943,143
; CURRENT FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: 09/489,036
; PRIOR FILING DATE: 2000-01-19
; NUMBER OF SEQ ID NOS: 35324
; SOFTWARE: Hy-patent.pl Version 3.1
; SEQ ID NO 35171
; LENGTH: 446
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(446)
; OTHER INFORMATION: n = A,T,C or G
US-09-943-143-35171

Query Match      99.0%; Score 308.8; DB 40; Length 446;
Best Local Similarity 99.4%; Pred. No. 1.5e-45;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 ATGAAGCTGCGCGCCCTCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 60
      |||||||
Db      91 ATGAAGCTGCGCGCCCTCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 150
      |||||||

QY      61 TTCTTAGTGGGCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 120
      |||||||
Db      151 TTCTTAGTGGGCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 210
      |||||||

QY      121 GAGCGCGGGCGGGAGCCCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 180
      |||||||
Db      211 GAGCGCGGGCGGGAGCCCTGCGCAAGCTGCGGAGCTGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCT 270
      |||||||

QY      181 CTGAGCAAGCTGCGGAGCTGCGGAGCTGCGTGGCCCTGCTGCAAGCTCCGCTGCTGCAAGCTCCGCTGCT 240
      |||||||
```

Db	271	CTGAGCAGCCTGGGCACTCCCGCTGAACCACTCATAGAGGGCTCCCAAGAGTGTGGCT	330
QY	241	GAGCTGGTCCCGACGCTGTGGGGCCCTGAAGGCCCTGTGGGGGCGCTG	300
Db	331	GACCTGGTCCCGAGGCCGTGGGGGCGCTGAAGGCCCTGTGGGGGCGCTG	390
QY	301	ACAGTGTGGC	312
Db	391	ACAGTGTGGC	402

RESULT 6	
US-60-449-155-36	
Sequence 36, Application	US/60449155
GENERAL INFORMATION:	
APPLICANT: Keith, Jim	
TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID SEQUENCES	
TITLE OF INVENTION: RELATING TO RESPIRATORY DISEASES AND OBESITY	
FILE REFERENCE: H0M02-11	
CURRENT APPLICATION NUMBER: US/60/449,155	
CURRENT FILING DATE: 2003-02-20	
NUMBER OF SEQ ID NOS: 1000	
SOFTWARE: FastSeq for Windows Version 4.0	
SEQ ID NO 36	
LENGTH: 461	
TYPE: DNA	
ORGANISM: Human	
US-60-449-155-36	

Query Match	199.08	Score 308.8	DB 99	Length 461
Best Local Similarity	199.48	Pred. No. 1.5e-45		
Matches 310; Conservative	0	Mismatches 2	Indels 0	Gaps 0

QY	ATGAAACTGTGGAGCCCTCTGGGGGTCTGGGTGGCCCTGTCTGACACTCCGCTGCTGT	60
Db	22 ATGAAACTGTGGAGCCCTCTGGGGGTCTGGGTGGCCCTGTCTGACACTCCGCTGCTGT	81
QY	61 TTCTTATGTGGGTCTGGCCCAAGCTGTGGCCCAAGCTGTGCTGTGGTGTGAATGTGGGGG	120
Db	82 TTCTTATGTGGGTCTGGCCCAAGCTGTGGCCCAAGCTGTGCTGTGGTGTGAATGTGGGGG	141
QY	121 GAGCGCGGGGCGGGGAACTGTGGCCCAAGCCCTCTGGGCAACCTCAACCGCGTGAAGTCTCTG	180
Db	142 GAGCGCGGGGCGGGGAACTGTGGCCCAAGCCCTCTGGGCAACCTCAACCGCGTGAAGTCTCTG	201
QY	181 CTGAGCAGCGCTGTGGCATCCCGGTGAACCACTCATATAGAGGGCTCCAGAAATGTGTGGCT	240
Db	202 CTGAGCAGCGCTGTGGCATCCCGGTGAACCACTCATATAGAGGGCTCCAGAAATGTGTGGCT	261
QY	241 GAGCTTGGTCCCTCAGGCGGTGTGGGGCGGTGAAGGCGCTGAAGGCGCTGTGTGGGGCGCTTG	300
Db	262 GAGCTTGGTCCCTCAGGCGGTGTGGGGCGGTGAAGGCGCTGAAGGCGCTGTGTGGGGCGCTTG	321
QY	301 ACAGTGTATTGGC 312	
Db	322 ACAGTGTATTGGC 333	

RESULT 7
US-09-710-281-179
Sequence 179, Application US/09710281
GENERAL INFORMATION:
APPLICANT: Hunter, John J.
APPLICANT: Shyjan, Andrew W.
APPLICANT: Stbdal, Hilde
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600 2036-001
CURRENT APPLICATION NUMBER: US/09/710,281
CURRENT FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: 60/154,254
PRIOR FILING DATE: 1999-11-09

```

: NUMBER OF SEO ID NOS: 5803
: SOFTWARE: FastSeq for Windows Version 4.0
: SEO ID NO 179
: LENGTH: 467
: TYPE: DNA
: ORGANISM: Homo sapiens
: OS-09-710-281-179

```

Query Match	99.08;	Score 308.8;	DB 31;	Length 467;
Best Local Similarity	99.48;	Pred. No. 1.5e-45;		
Matches 310; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0

QY	ATGAACCTGGCCGCGCTCCCTGGGGGCTGCGGCGGCCCTCTGACACTCGCGTGGCT	60
Db	ATGAACCTGGCCGCGCTCCCTGGGGGCTGCGGCGGCCCTCTGACACTCGCGTGGCT	111
QY	TTCCTAGTGGGCTGGGCGCAAGCTGTGGGCCCATGCTGCGGTGGAGTGGGGGG	120
Db	TTCCTAGTGGGCTGGGCGCAAGCTGTGGGCCCATGCTGCGGTGGAGTGGGGGG	171
QY	GAAGCGGGGGCGGGGACCTGTGGCAACCCCTCGGACACCTCAACCGCGTGAAGTCTG	180
Db	GAAGCGGGGGCGGGGACCTGTGGCAACCCCTCGGACACCTCAACCGCGTGAAGTCTG	231
QY	CTGAGCAGCCCTGGGCAATCCCGGTGAACCACTCATAGAGGGCTCCGAAAGTGTGGCT	240
Db	CTGAGCAGCCCTGGGCAATCCCGGTGAACCACTCATAGAGGGCTCCGAAAGTGTGGCT	291
QY	GAGCTGGGTCCCAAGGCGGTGGGGGCGGTGAAGGCCCTGTGGGGGCCCTG	300
Db	GAGCTGGGTCCCAAGGCGGTGGGGGCGGTGAAGGCCCTGTGGGGGCCCTG	351
QY	ACAGTGTGGC	312
Db	ACAGTGTGGC	363

```

RESULT 8
US-10-170-235-38638
: Sequence 38638, Application US/10170235
: GENERAL INFORMATION:
: APPLICANT: VEMTER, J. Craig
: TITLE OF INVENTION: KITS, SUCH AS NUCLEIC ACID ARRAYS, COMPRISING A MAJORITY OF H
: TITLE OF INVENTION: TRANSCRIPTS, FOR DETECTING EXPRESSION AND OTHER USES THEREOF
: FILE REFERENCE: CLO001380
: CURRENT APPLICATION NUMBER: US/10/170,235
: CURRENT FILING DATE: 2003-03-17
: NUMBER OF SEQ ID NOS: 42514
: SEQ ID NO 38638
: LENGTH: 469
: TYPE: DNA
: ORGANISM: HUMAN
: US-10-170-235-38638

```

Query Match	99.0%;	Score 308.8;	DB 47;	Length 469;
Best Local Similarity	99.4%;	Pred. No. 1.5e-45;		
Matches 310;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0

Accession	Sequence	Position
Db	ATGAACTGCCCCCTCTGGGGCTTCGCGTGGCCCTGTCTGCACTCCGGTGGCT	83
QY	TTCTTAGTGGGCTCGGCCAAGCCTGTGTGACCAGCCTGTGCCTGTGAGTGGGCG	120
Db	TTCTTAGTGGGCTCGGCCAAGCCTGTGTGACCAGCCTGTGCCTGTGAGTGGGCG	143
QY	GAGGCCGGGGCCGGGACCCCTGGCCAAACCCCTGGGCAACCCCTGGAAGCTCTG	180
Db	GAGGCCGGGGCCGGGACCCCTGGCCAAACCCCTGGGCAACCCCTGGAAGCTCTG	203
QY	CTGAGCAGGCTGGGCAATCCCGTGAACCACTCATAGAGGCTTCCGAAAGTGTGGCT	240
Db	CTGAGCAGGCTGGGCAATCCCGTGAACCACTCATAGAGGCTTCCGAAAGTGTGGCT	263

```

OY      241 GAGCTGGTCCCGGACGCGGTGGGGGCCGTGAAGAGCCCTTAAGGCCCTGTCTGGGGGCCCTTG 300
        |||||||
Db      264 GAGCTGGTCCCGGACGCGGTGGGGGCCGTGAAGAGCCCTTAAGGCCCTGTCTGGGGGCCCTTG 323

OY      301 ACAAGTGTGGC 312
        |||||||
Db      324 ACAAGTGTGGC 335


RESULT 9
US-09-277-227-11845
; Sequence 11845, Application US/09277227
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-766
; CURRENT APPLICATION NUMBER: US/09/277, 227
; CURRENT FILING DATE: 1999-03-25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11845
; LENGTH: 491
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(491)
; OTHER INFORMATION: n = A,T,C or G
US-09-277-227-11845

Query Match          99.0%; Score 308.8; DB 18; Length 491;
Best Local Similarity 99.4%; Pred. No. 1.4e-45;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 ATGAAGCTGCACCCTCTCTGCGGCTCTGTCGTGGCCCTGTCTCTGAGCTCCGCTGCTCT 60
        |||||||
Db      61 ATGAAGCTGCACCCTCTCTGCGGCTCTGTCGTGGCCCTGTCTCTGAGCTCCGCTGCTCT 120

OY      61 TTCTTAGTGGGCTGGGCAAGCCTGTGGGCCAAGCTGTGGCTGGCTGAGTGGGGCGG 120
        |||||||
Db      121 TTCTTAGTGGGCTGGGCAAGCCTGTGGGCCAAGCTGTGGCTGGCTGAGTGGGGCGG 180

OY      121 GAGCGCGGGGCGGAGACCTGTGGCAACCCCTGTGGCACCTCTGAACCCGCTGAAGCTCTG 180
        |||||||
Db      181 GAGCGCGGGGCGGAGACCTGTGGCAACCCCTGTGGCACCTCTGAACCCGCTGAAGCTCTG 240

OY      181 CTGAGCAGCTGTGGGCTATCCCCTGTGAACAACCTCATAGAGGGCTGCCAGAAGTGTGTGCT 240
        |||||||
Db      241 CTGAGCAGCTGTGGGCTATCCCCTGTGAACAACCTCATAGAGGGCTGCCAGAAGTGTGTGCT 300

OY      241 GAGCTGGTCCCGGACGCGGTGGGGGCCGTGAAGAGCCCTTAAGGCCCTGTCTGGGGGCCCTG 300
        |||||||
Db      301 GAGCTGGTCCCGGACGCGGTGGGGGCCGTGAAGAGCCCTTAAGGCCCTGTCTGGGGGCCCTG 360

OY      301 ACAAGTGTGGC 312
        |||||||
Db      361 ACAAGTGTGGC 372


RESULT 10
US-09-346-956-15624
; Sequence 15624, Application US/09346956
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-758CON1
; CURRENT APPLICATION NUMBER: US/09/346, 956
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: 09/210,298
; EARLIER FILING DATE: 1998-12-09

SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15624
LENGTH: 491
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)...(491)
OTHER INFORMATION: n = A,T,C or G
US-09-346-956-15624

Query Match          99.0%; Score 308.8; DB 38; Length 491;
Best Local Similarity 99.4%; Pred. No. 1.4e-45;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 ATGAAGCTGCACCCTCTCTGCGGCTCTGTCGTGGCCCTGTCTCTGAGCTCCGCTGCTCT 60
        |||||||
Db      61 ATGAAGCTGCACCCTCTCTGCGGCTCTGTCGTGGCCCTGTCTCTGAGCTCCGCTGCTCT 120

OY      61 TTCTTAGTGGGCTGGGCAAGCCTGTGGGCCAAGCTGTGGCTGGCTGAGTGGGGCGG 120
        |||||||
Db      121 TTCTTAGTGGGCTGGGCAAGCCTGTGGGCCAAGCTGTGGCTGGCTGAGTGGGGCGG 180

OY      121 GAGCGCGGGGCGGAGCCTGTGGCAACCCCTGTGGCACCTCTGAACCCGCTGAAGCTCTG 180
        |||||||
Db      181 GAGCGCGGGGCGGAGCCTGTGGCAACCCCTGTGGCACCTCTGAACCCGCTGAAGCTCTG 240

OY      181 CTGAGCAGCTGTGGGCTATCCCCTGTGAACAACCTCATAGAGGGCTGCCAGAAGTGTGTGCT 240
        |||||||
Db      241 CTGAGCAGCTGTGGGCTATCCCCTGTGAACAACCTCATAGAGGGCTGCCAGAAGTGTGTGCT 300

OY      241 GAGCTGGTCCCGGACGCGGTGGGGGCCGTGAAGAGCCCTTAAGGCCCTGTCTGGGGGCCCTG 300
        |||||||
Db      301 GAGCTGGTCCCGGACGCGGTGGGGGCCGTGAAGAGCCCTTAAGGCCCTGTCTGGGGGCCCTG 360

OY      301 ACAAGTGTGGC 312
        |||||||
Db      361 ACAAGTGTGGC 372


RESULT 11
US-09-904-703-15624
; Sequence 15624, Application US/09904703
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-758CON1
; CURRENT APPLICATION NUMBER: US/09/904, 703
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/210, 298
; PRIOR FILING DATE: 1998-12-09
; NUMBER OF SEQ ID NOS: 17812
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15624
; LENGTH: 491
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(491)
; OTHER INFORMATION: n = A,T,C or G
US-09-904-703-15624

Query Match          99.0%; Score 308.8; DB 38; Length 491;
Best Local Similarity 99.4%; Pred. No. 1.4e-45;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 ATGAAGCTGCACCCTCTCTGCGGCTCTGTCGTGGCCCTGTCTCTGAGCTCCGCTGCTCT 60
        |||||||
Db      61 ATGAAGCTGCACCCTCTCTGCGGCTCTGTCGTGGCCCTGTCTCTGAGCTCCGCTGCTCT 120

```

Mon Sep 22 15:31:39 2003

us-10-081-817a-3.rpm

Page 6

[illegible]

```

RESULT 12
US-09-909-627-11845
: Sequence 11845, Application US/09909627
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc.
: TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
: TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
: FILE REFERENCE: 20411-766
: CURRENT APPLICATION NUMBER: US/09/909,627
: CURRENT FILING DATE: 2001-07-19
: PRIOR APPLICATION NUMBER: 09/277,1227
: PRIOR FILING DATE: 1999-03-23
: NUMBER OF SEQ ID NOS: 25680
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 11845
: LENGTH: 491
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(491)
: OTHER INFORMATION: n = A,T,C or G
: US-09-909-627-11845

```

Query Match	99.0%;	Score 308.8;	DB 38;	Length 491;
Best Local Similarity	99.4%;	Pred. No. 1.4e-45;		
Matches 310; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0

QY	ATGAACCTGACC	CCCTCTCTGGAGGCT	GTGACGAGGCT	GTGCTGAGCT	CGGCGGAGT	60	
Db	ATGAACCTGACC	CCCTCTCTGGAGGCT	GTGACGAGGCT	GTGCTGAGCT	CGGCGGAGT	60	
QY	TTCTTGTGTGGGCT	CGGGCCAAAGCTGT	GTGGCCCTGTGCTG	GTGGCGAGT	CGGCGGCG	120	
Db	ATGAACCTGACC	CCCTCTCTGGAGGCT	GTGACGAGGCT	GTGCTGAGCT	CGGCGGAGT	120	
QY	61	TTCTTGTGTGGGCT	CGGGCCAAAGCTGT	GTGGCCCTGTGCTG	GTGGCGAGT	CGGCGGCG	120
Db	61	TTCTTGTGTGGGCT	CGGGCCAAAGCTGT	GTGGCCCTGTGCTG	GTGGCGAGT	CGGCGGCG	120
QY	121	TTCTTGTGTGGGCT	CGGGCCAAAGCTGT	GTGGCCCTGTGCTG	GTGGCGAGT	CGGCGGCG	180
Db	121	TTCTTGTGTGGGCT	CGGGCCAAAGCTGT	GTGGCCCTGTGCTG	GTGGCGAGT	CGGCGGCG	180
QY	121	GAGCGCGGGGCG	GGGAACTCTGGCCAA	CCCTCTGGCACCT	CTCAACCGCTGA	AACTCTCTG	180
Db	181	GAGCGCGGGGCG	GGGAACTCTGGCCAA	CCCTCTGGCACCT	CTCAACCGCTGA	AACTCTCTG	240
QY	181	CTGAGCAGCGCT	GTGGCATCTCCCGTGA	ACCACTCATATAGAGG	CGCTCCAGAA	GTGTGGCT	240
Db	241	CTGAGCAGCGCT	GTGGCATCTCCCGTGA	ACCACTCATATAGAGG	CGCTCCAGAA	GTGTGGCT	300
QY	241	GAGCTGGGTCC	CCAGGCGCTGGGGGCG	CGTGAAGGCCCT	GTGCGGGGCCCTG	300	
Db	301	GAGCTGGGTCC	CCAGGCGCTGGGGGCG	CGTGAAGGCCCT	GTGCGGGGCCCTG	360	
QY	301	ACAGTGTGGC	312				
Db	361	ACAGTGTGGC	372				

```

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040

```

Query Match	99.4%	Score 308.8	DB 21	Length 512
Best Local Similarity	99.4%	Pred. No. 1.4e+5		
Matches 310	Conservative	0	Mismatches 2	Indels 0
			Gaps	0
Qy	1	ATGAACCTGCGCGCCCTCTCTGGGAGCTCTGCGCTGCGCCCTGTCGACGACCTCCGCTGTGT	60	
Db	452	ATGAACCTGCGCGCCCTCTCTGGGAGCTCTGCGCTGCGCCCTGTCGACGACCTCCGCTGTGT	393	
Qy	61	TTCTTATGATGGGCTCGGACCAAGCTGTGTGGCCAGGCTTCCGTGCGTGGAGTGTGGCGGC	120	
Db	392	TTCTTATGATGGGCTCGGACCAAGCTGTGTGGCCAGGCTTCCGTGCGTGGAGTGTGGCGGC	333	
Qy	121	GAGCGCGGAGCGGGAACCTTGACCACCCCTCGGCAACCTTCACACCCGCTGAAGCTCTTG	180	
Db	332	GAGCGCGGAGCGGGAACCTTGACCACCCCTCGGCAACCTTCACACCCGCTGAAGCTCTTG	273	
Qy	181	CTGAGCAGGCTGGGACATCCCGTGAACACCTCTATAGAGGAGCTCCAGAGTGTGTGGCT	240	
Db	272	CTGAGCAGGCTGGGACATCCCGTGAACACCTCTATAGAGGAGCTCCAGAGTGTGTGGCT	213	

OY	241	GACCTGGGTCGCCAGGCCTGGGGCCGTGAAGGCCCTGTGGGGCCCTG	300
Dd	212	GACCTGGGTCGCCAGGCCTGGGGCCGTGAAGGCCCTGTGGGGCCCTG	153
OY	301	ACAGTCTTTGGC	312
Dd	152	ACAGTCTTTGGC	141

RESULT 14
US-09-488-725B-495

```

Sequence 495, Application US/09488725B
GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinks
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Dermanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488, 725B
CURRENT FILING DATE: 2000-01-21
PRIORITY APPLICATION NUMBER: US 09/004, 182
PRIORITY FILING DATE: 1998-01-07
PRIORITY APPLICATION NUMBER: US 09/034, 341
PRIORITY FILING DATE: 1998-02-13
PRIORITY APPLICATION NUMBER: US 09/045, 400
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: US 09/321, 214
PRIORITY FILING DATE: 1999-05-26
PRIORITY APPLICATION NUMBER: US 09/131, 598
PRIORITY FILING DATE: 1998-08-10
PRIORITY APPLICATION NUMBER: US 09/170, 294
PRIORITY FILING DATE: 1998-10-13
PRIORITY APPLICATION NUMBER: US 09/179, 473
PRIORITY FILING DATE: 1998-10-27
PRIORITY APPLICATION NUMBER: US 09/181, 430
PRIORITY FILING DATE: 1998-10-28
PRIORITY APPLICATION NUMBER: US 09/235, 076
PRIORITY FILING DATE: 1999-01-20
PRIORITY APPLICATION NUMBER: US 09/234, 611
PRIORITY FILING DATE: 1999-01-22
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: PL_CT_genes Version 1.01
SEQ ID NO 495
LENGTH: 512
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(513)
OTHER INFORMATION: n = a,t,c or g
FEATURE:
NAME/KEY: misc_feature
LOCATION: (73)..(466)
OTHER INFORMATION: similar to g1575322 in the genepept database release 114
US-09-488-725B-495

```

Query Match	99.0%	Score 308.8	DB 21	Length 512
Best Local Similarity	99.4%	Pred. NO. 1.4e-45		
Matches 310	Conservative 0	Mismatches 2	Indels 0	Gaps 0

Qy	1	ATGAAACGTGCGGCCCTCTGCGGGGCTGTCGCGAGCCCTGTCCTCAGCTCCGCTGTCGT	60
Db	61	ATGAAACGTGCGGCCCTCTGCGGGGCTGTCGCGAGCCCTGTCCTCAGCTCCGCTGTCGT	120
Qy	61	TTCATTAGTGGGCTCGGGCAAGCTGTGGCCAGCTGTGCGTGGCGTGGAGTGGGGCGG	120
Db	121	TTCATTAGTGGGCTCGGGCAAGCTGTGGCCAGCTGTGCGTGGCGTGGAGTGGGGCGG	180

Qy	12	GAGCGCGGGGGCGGAGCCCTGGGCAACCCCTGGGCAACCCGCTGAAGCTCTG	180
Db	181	GAGCGCGGGGGCGGAGCCCTGGGCAACCCCTGGGCAACCCGCTGAAGCTCTG	240
Qy	181	CTGAGAGAGCTGGGGATCCCGGTGAACACCTCATAGAGGGCTCCGAAATGTGTGGCT	240
Db	241	CTGAGAGAGCTGGGGATCCCGGTGAACACCTCATAGAGGGCTCCGAAATGTGTGGCT	300
Qy	241	GAGCTGGGTCCCGCAGGCGCTGGGGGCGGTGAAGGCCCTCTGTGGGGCCCTG	300
Db	301	GAGCTGGGTCCCGCAGGCGCTGGGGGCGGTGAAGGCCCTCTGTGGGGCCCTG	360
Qy	301	ACAGTGTGTGGC 312	
Db	361	ACAGTGTGTGGC 372	

```

RESULT 15
US-08-791-710-4
: Sequence 4, Application US/08791710
: GENERAL INFORMATION:
: APPLICANT: Russell, John C.
: APPLICANT: Colpitts, Tracey L.
: TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTING
: TITLE OF INVENTION: LUNG DISEASES
: NUMBER OF SEQUENCES: 12
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Abbott Laboratories, D377/AP6D
: STREET: 100 Abbott Park Road
: CITY: Abbott Park
: STATE: IL
: COUNTRY: USA
: ZIP: 60064
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ Version 2.0
: CURRENT APPLICATION DATA
: APPLICATION NUMBER: US/08/791,710
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Porembski, Priscilla E.
: REGISTRATION NUMBER: 33207
: REFERENCE/DOCKET NUMBER: 5998.US.01
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 847-937-0378
: TELEFAX: 847-938-2623
: TELEX:
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 518 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: US-08-791-710-4

```

Query Match	99.08;	Score 308.8;	DB 12;	Length 518;
Best Local Similarity	99.48;	Pred. No. 1.4e-45;		
Matches 310; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0

OY 3 ATAAACCTGGCGCCCTCTCGGGGCTGCGGAGGCCCTGTCTCAGCTCGCTCGGCT 60
 Db 79 ATGAACCTGGCGCCCTCTCGGGGCTGCGGAGGCCCTGTCTCAGCTCGGCTTTGCT 138
 OY 61 TTCTTAGTGGGCTCGGCGCAAGCTGTGGCCAGGCTGTGCTGCGCTGGAGTGGGCGG 120
 Db 139 TTCTTAGTGGGCTCGGCGCAAGCTGTGGCCAGGCTGTGCTGCGCTGGAGTGGGCGG 198

QY	121	GAGGCGGGGCGGGGACCCCTGGCCAAACCCCTGCGGACCCCTCAACCCGCTGAAGCTCTG	180
Db	199	GAGGCGGGGCGGGGACCCCTGGCCAAACCCCTGCGGACCCCTCAACCCGCTGAAGCTCTG	258
QY	181	CTGAGCAGCCTGGGCGATCCCCGTGAACCACTCATAGAGGCTCCAGAGTGTGGCT	240
Db	259	CTGAGCAGCCTGGGCGATCCCCGTGAACCACTCATAGAGGCTCCAGAGTGTGGCT	318
QY	241	GAGTGGGTCCCCAGGCGGTGGGCGCGTGAAGGCCCTGAAGGCCCTGCGGGGCCCTG	300
Db	319	GAGTGGGTCCCCAGGCGGTGGGCGCGTGAAGGCCCTGAAGGCCCTGCGGGGCCCTG	378
QY	301	ACAGTGTGGG	312
Db	379	ACAGTGTGGG	390

Search completed: September 20, 2003, 03:12:33
Job time : 1988.94 secs

OM nucleic - nucleic search, using sw model

Run on: September 20, 2003, 00:35:14 ; Search time 61.46 Seconds
(without alignments)
4337.104 Million cell updates/sec

Title: US-10-081-817A-3

Sequence: 1 atgaagctcgccgccctctct.....gggccctgacagtggttggc 312

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 698535 seqs, 427177069 residues

Total number of hits satisfying chosen parameters: 1397070

Minimum	DB seq	length:	0
Maximum	DB seq	length:	20000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

```
Database : Pending_Patents_NA_New:*
1. /can2 6/ptodata/1/pna/PCT_NEW_COMB.seq:*
```

```

1. /cgn2_6/prodataa1/pna/POTNEW.COMB.seq.*
2. /cgn2_6/prodataa1/pna/US06_NEW.COMB.seq.
3. /cgn2_6/prodataa1/pna/US07_NEW.COMB.seq.
4. /cgn2_6/prodataa1/pna/US08_NEW.COMB.seq.
5. /cgn2_6/prodataa1/pna/US09_NEW.COMB.seq.
6. /cgn2_6/prodataa1/pna/US10_NEW.COMB.seq.
7. /cgn2_6/prodataa1/pna/US10_NEW.COMB.seq.

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	312	100.0	312	6	US-10-081-817A-3	Sequence 3, Appl1
2	258	82.7	258	6	US-10-081-817A-4	Sequence 4, Appl1
3	252	80.8	252	6	US-10-081-817A-23	Sequence 23, Appl1
4	108.2	34.7	312	6	US-10-081-817A-7	Sequence 7, Appl1
5	90	28.8	249	6	US-10-081-817A-25	Sequence 25, Appl1
6	90	28.8	235	6	US-10-081-817A-8	Sequence 8, Appl1
7	87.4	28.0	279	6	US-10-081-817A-20	Sequence 20, Appl1
8	87.2	27.9	249	6	US-10-081-817A-26	Sequence 26, Appl1
9	50.8	16.3	3957	1	PCT-US03-11231-193	Sequence 193, Appl1
10	4.4	14.1	1466	5	US-09-842-364A-10	Sequence 10, Appl1
11	43.8	14.0	1754	5	US-06-487-610-740	Sequence 740, Appl1
12	43.8	14.0	1944	5	US-09-475-704A-7	Sequence 7, Appl1
13	43.8	14.0	2425	7	US-06-487-610-739	Sequence 739, Appl1
14	43.8	14.0	2466	5	US-09-475-704A-8	Sequence 8, Appl1
15	43.8	14.0	2480	7	US-06-487-610-738	Sequence 738, Appl1
16	43.8	14.0	2547	5	US-09-475-704A-9	Sequence 9, Appl1
17	43.4	13.9	1338	6	US-10-425-114A-4994	Sequence 4994, Appl1
18	43.4	13.9	1423	6	US-10-425-114A-19	Sequence 19, Appl1
19	43.4	13.9	1498	6	US-10-425-114A-55275	Sequence 25275, Appl1
20	43.3	13.8	1612	6	US-10-425-114A-1736	Sequence 1736, Appl1
21	42.6	13.7	1919	6	US-10-425-114A-11483	Sequence 11483, Appl1
22	42.6	13.7	1919	6	US-10-425-114A-28647	Sequence 28647, Appl1
23	41.8	13.4	1035	6	US-09-475-704A-10	Sequence 10, Appl1
24	41.8	13.4	2354	6	US-10-425-114A-1081	Sequence 1081, Appl1
25	41.4	13.3	1728	6	US-10-425-114A-30728	Sequence 30728, Appl1
26	40.6	13.0	729	6	US-10-425-114A-35485	Sequence 25485, Appl1

27	40.6	13.0	954	7	US-60-494-556-16	Sequence 44, Appl 1
28	40.6	13.0	164051	7	US-60-494-556-16	Sequence 16, Appl 1
29	40.4	12.9	1038	6	US-10-425-11A-33253	Sequence 23253, A
30	40.4	12.9	1072	6	US-10-425-11A-30359	Sequence 30359, A
31	40.4	12.9	4140	7	US-60-487-610-31	Sequence 31, Appl 1
32	40.4	12.9	4459	7	US-60-487-610-33	Sequence 33, Appl 1
33	40.4	12.9	4542	7	US-60-487-610-32	Sequence 32, Appl 1
34	40.2	12.9	1323	6	US-10-425-11A-1447	Sequence 1447, Appl 1
35	40.2	12.9	1548	6	US-10-355-238-1	Sequence 1, Appl 1
36	40.2	12.9	3630	6	US-10-355-238-8	Sequence 8, Appl 1
37	40.2	12.8	1126	6	US-10-425-11A-1737	Sequence 1737, A
38	40	12.8	1165	6	US-10-425-11A-21616	Sequence 21616, A
39	39.8	12.8	1052	6	US-10-425-11A-24020	Sequence 24020, A
40	39.8	12.8	2181	6	US-10-369-983-1	Sequence 1, Appl 1
41	39.8	12.8	2451	6	US-10-369-983-8	Sequence 8, Appl 1
42	39.8	12.8	2487	6	US-10-369-983-7	Sequence 7, Appl 1
43	39.8	12.8	2637	6	US-10-369-983-5	Sequence 5, Appl 1
44	39.8	12.8	2808	6	US-10-369-983-6	Sequence 6, Appl 1
45	39.8	12.8	3030	6	US-10-369-983-3	Sequence 3, Appl 1

ALIGNMENTS

```

RESULT 1
; US-10-081-817A-3
; Sequence 3, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polya, Kornelia
; APPLICANT: Solt, Dennis
; APPLICANT: Krop, Ion
; TITLE OF INVENTION: HIT-1, A TUMOR SUPPRESSOR
; FILE REFERENCE: 00550-094001
; CURRENT APPLICATION NUMBER: US/10/081,817A
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/351,908
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FASTQC for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 312
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-081-817A-3

```

Query Match	100.0%	Score 312:	DB 60:	Length 312:
Best Local Similarity	100.0%	Pred. No. 3.2e-60:		
Matches 312:	Conservative 0:	Mismatches 0:	Indels 0:	Gaps 0
QY	1	ATGAACCTGGCCGCCCTCCTGGGGGCTCTGCGAGCCCTTCCGCGAGCTCCGCTGCTGCT	60	
Db	1	ATGAACCTGGCCGCCCTCCTGGGGGCTCTGCGAGCCCTTCCGCGAGCTCCGCTGCTGCT	60	
QY	61	TTCCTAGTGGGCTCTGGGCGCAAGCCTGTGGGCGACGCTGTCGCTGAGTGGCGGCG	120	
Db	61	TTCCTAGTGGGCTCTGGGCGCAAGCCTGTGGGCGACGCTGTCGCTGAGTGGCGGCG	120	
QY	121	GAGGCCGGGGCCGGGACCTCTGGCAACCCCTGTGGCAACCTCTCAACCCGGCGAAGCTCTCG	180	
Db	121	GAGGCCGGGGCCGGGACCTCTGGCAACCCCTGTGGCAACCTCTCAACCCGGCGAAGCTCTCG	180	
QY	181	CTGAGCAGCCTGGGCAATCCCTGTGAACACACTATATGAGGGCTCCCAAGAAGTGTGGCT	240	
Db	181	CTGAGCAGCCTGGGCAATCCCTGTGAACACACTATATGAGGGCTCCCAAGAAGTGTGGCT	240	
QY	241	GAGCTGGGTCCTCCAGAGCCTGTGGGGCGCTGAAGGCCCTGAGAGGCCCTGCTGGGGGGCCCTG	300	
Db	241	GAGCTGGGTCCTCCAGAGCCTGTGGGGCGCTGAAGGCCCTGAGAGGCCCTGCTGGGGGGCCCTG	300	
QY	301	ACAAGTGTGGC	312	

```
Db      301 ACAGTGTGGC 312
|||||
RESULT 2
US-10-081-817A-4
; Sequence 4, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Sgroi, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT APPLICATION NUMBER: US/10/081,817A
; CURRENT FILING DATE: 2002-02-22
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-081-817A-4

Query Match
Best Local Similarity 82.7%; Score 258; DB 6; Length 258;
Matches 258; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 CGTGCTTTCTAGTGGGCTGCGCCAGCGCTGCGCCAGCCTGTCGCTGGCTGGAGTCG 114
    |||||||
DB 1  CGTGCTTTCTAGTGGGCTGCGCCAGCGCTGCGCCAGCCTGTCGCTGGAGTCG 60
    |||||||
QY 115 GCGGCGGAGCGCGGGGCGGAGCCCTGGCCCAACCCCTCGGACCCCTGAGGAGTGAAG 174
    |||||||
DB 61 GCGGCGGAGCGCGGGGCGGAGCCCTGGCCCAACCCCTCGGACCCCTGAGGAGTGAAG 120
    |||||||
QY 175 CTCGCTGAGCAGCAGCGGCGATCCCGTGAAACACTCATAGAGGCTCCCAAGAGTGT 234
    |||||||
DB 121 CTCGCTGAGCAGCAGCGGCGATCCCGTGAAACACTCATAGAGGCTCCCAAGAGTGT 180
    |||||||
QY 235 GTGGCTAGCGGTGCGCCAGCGCGTGGGGCGGCTGAAGCCCTGAAGCCCTGCTGGGG 294
    |||||||
DB 181 GTGGCTAGCGGTGCGCCAGCGCGTGGGGCGGCTGAAGCCCTGAAGCCCTGCTGGGG 240
    |||||||
QY 295 GCCTGACAGTGTGGC 312
    |||||||
DB 241 GCCTGACAGTGTGGC 258
    |||||||

RESULT 3
US-10-081-817A-23
; Sequence 23, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Sgroi, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT APPLICATION NUMBER: US/10/081,817A
; CURRENT FILING DATE: 2002-02-22
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 252

; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-081-817A-23

Query Match
Best Local Similarity 80.8%; Score 252; DB 6; Length 252;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 61 TTCTTAGTGGGCTGCGCCAGCGCTGCGCCAGCGCTGCGCTGCGCTGAGTGGCGCG 120
    |||||||
DB 1  TTCTTAGTGGGCTGCGCCAGCGCTGCGCCAGCGCTGCGCTGCGCTGAGTGGCGCG 60
    |||||||
QY 121 GAGGCGGCGGCGGAGCCCTGGCCCAACCCCTCGGACCCCTCGGACCCCTGAGAGTCTCTG 180
    |||||||
DB 61 GAGGCGGCGGCGGAGCCCTGGCCCAACCCCTCGGACCCCTCGGACCCCTGAGAGTCTCTG 120
    |||||||
QY 181 CTGAGCAGCCTGGGCACTCCCGGAAACCACTCATAGAGGCTCCCAAGAGTGTGGCT 240
    |||||||
DB 121 CTGAGCAGCCTGGGCACTCCCGGAAACCACTCATAGAGGCTCCCAAGAGTGTGGCT 180
    |||||||
QY 241 GAGCTGGTCCCGAGCGCGTGGGGCGGTGAAGCCCTGAAGCCCTGCTGGGGCCCTG 300
    |||||||
DB 181 GAGCTGGTCCCGAGCGCGTGGGGCGGTGAAGCCCTGAAGCCCTGCTGGGGCCCTG 240
    |||||||
QY 301 ACAGTGTGGC 312
    |||||||
DB 241 ACAGTGTGGC 252
    |||||||

RESULT 4
US-10-081-817A-7
; Sequence 7, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Sgroi, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT APPLICATION NUMBER: US/10/081,817A
; CURRENT FILING DATE: 2002-02-22
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 312
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-081-817A-7

Query Match
Best Local Similarity 34.7%; Score 108.2; DB 6; Length 312;
Matches 190; Conservative 0; Mismatches 93; Indels 6; Gaps 2;

QY 9 GCGGCGCCCTCTGGGGCTGCGCGCGCTGCGCGCTGCGCGCTGCGCTGCTTCTTACT 68
    |||||||
DB 12 CACCACCTTCTAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 71
    |||||||
QY 69 GGGCTC---GGCAAGCTGTGGCCAGCCTGTGCTGCGTGAATCGCGCGGAGGC 125
    |||||||
DB 72 GGACTCATTTGGCCAGCGCTGCGGTAGAACCCGCGCGCTGCTGCGCGAGAGGC 131
    |||||||
QY 126 CCGGCGCGGAGCCCTGGCCAAAC---CCCTGCGCACCTCAACCGCGCTGAAGCTCTGCT 182
    |||||||
DB 132 TGTGGCAGGGGCTGTGCTGTGCTTACATTAGCCACTTGGGCAATCGTAGTGTATCT 191
    |||||||
QY 183 GAGCAGCTGGGCACTCCCGTGAACCACTCATAGAGGCTCCCAAGAGTGTGGCTGA 242
    |||||||
DB 192 GCGCAGCATGGGCACTCCATTGTGATCTCTCATAGAGGATCCAGAGAGTGTGTCACGA 251
    |||||||
```

```

OY      243 GCTGGGTCCCAAGCCGCGGCGCTGAAGCCCTGAGCCCTGCTG 291
          ||||| || |||| || || ||||| ||||| |||||
Db      252 GCTGGGCGCTGAGCTGTGAGAGTCACTGTGGGGGCTCTG 300

RESULT 5
US-10-081-817A-25
; Sequence 25, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Stryol, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/351,908
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 249
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-081-817A-25

Query Match      28.8%; Score 90; DB 6; Length 249;
Best Local Similarity 64.5%; Pred. No. 2.6e-11;
Matches 151; Conservative 0; Mismatches 80; Indels 3; Gaps 1;

OY      61 TTCTTAGTGGGCTCGGCCAAGCCTGTGGCCAGCCTGTGCGCTGGAGTGGCGCG 120
          ||||| || ||||| ||||| ||||| ||||| |||||
Db      4  TTCATGAGACTATGGCCCAAGCCTGGGTAGAACCCGCGCGCTGCTCCAGCTGCA 63

OY      121 GAGCGCGGCGCGGAGCCTTGCCCAACCCCTGAGCTC 177
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      64 GAGCGTGTGGAGGCGCTGTGCTTACCATTAAGCCACTTGGCCATCTGTGAGGTC 123

OY      178 CTGCTGAGGAGCCTGGGCAATCCCGTGAACCACTCATAGAGGGCTCCCAAGTGTG 237
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      124 ATCTGGCCAGCATGGGCAATCCCATTCATCATAGAGGATCCAGAAAGTGTGTC 183

OY      238 GCTGAGCTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 291
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      184 ACCGAGCTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 237

RESULT 6
US-10-081-817A-8
; Sequence 8, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Stryol, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/351,908
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 255
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-081-817A-8

```

```

Query Match      28.8%; Score 90; DB 6; Length 255;
Best Local Similarity 64.5%; Pred. No. 2.6e-11;
Matches 151; Conservative 0; Mismatches 80; Indels 3; Gaps 1;

OY      61 TTCTTAGTGGGCTCGGCCAAGCCTGTGGCCAGCCTGTGCGCTGGAGTGGCGCG 120
          ||||| || ||||| ||||| ||||| ||||| |||||
Db      10 TTCATGAGACTATGGCCCAAGCCTGGGTAGAACCCGCGCGCTGCTCCAGCTGCA 69

OY      121 GAGCGCGGCGCGGAGCCTTGCCCAACCCCTGAGCTC 177
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      70 GAGCGTGTGGAGGCGCTGTGCTTACCATTAAGCCACTTGGCCATCTGGCCATCTGAGGTC 129

OY      178 CTGCTGAGGAGCCTGGGCAATCCCGTGAACCACTCATAGAGGGCTCCCAAGTGTG 237
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      130 ATCTGGCCAGCATGGGCAATCCCATTCATCATAGAGGATCCAGAAAGTGTGTC 189

OY      238 GCTGAGCTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 291
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      190 ACCGAGCTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 243

RESULT 7
US-10-081-817A-20
; Sequence 20, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Stryol, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/351,908
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-081-817A-20

Query Match      28.0%; Score 87.4; DB 6; Length 279;
Best Local Similarity 65.5%; Pred. No. 9.8e-11;
Matches 144; Conservative 0; Mismatches 73; Indels 3; Gaps 1;

OY      75 GCCAAGCTGTGGCCCAAGCCTGTGCGGCTGAGTCCGCGGCGGAGGCCGCGGCGG 134
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      48 GCCAAGCTGTGTGTAGAACCCGCTGCGCATTTGCTACAGCTGCAAGAGGCTGTGCAGG 107

OY      135 GACCTTGCCCAACCCCTGAGCTC 191
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      108 GCGTGTGCTTACCTTACCATTAAGCACTTGGCCATCTGAGTTCATCTGACACACCT 167

OY      192 GGGCATCCCGTGAAACCACTCATAGAGGGCTCCAGAAAGTGTGCTGAGTGGGTC 251
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      168 GGGCATCCCATTTGATTCCTTCATAGATGTTCCAGAAAGTGTGACAGGAGTGGGCGCC 227

OY      252 CCAGCGCGTGGGCGGCGGAGGCCCTGAAGCCCTGCTG 291
          ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      228 TGAGGCTGTAGAGCTGTGAGTCACTGTGGGGGCGCTG 267

RESULT 8
US-10-081-817A-26
; Sequence 26, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
US-10-081-817A-26

```

```

; APPLICANT: Sgrol, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT APPLICATION NUMBER: US/10/081,817A
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/351,908
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 249
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-081-817A-26

```

```

Query Match          27.9%; Score 87.2; DB 6; Length 249;
Best Local Similarity 65.5%; Pred. No. 1.1e-10;
Matches 144; Conservative 0; Mismatches 73; Indels 3; Gaps 1;

```

```

OY 75 GGGCAAGCCTGCGCCAGCCCTGCTGCTGAGAGTCGCGCGCGAGGCGGCGG 134
DB 18 GGGCAAGCCTGAGAGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 77
OY 135 GACCTGCGCCAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 191
DB 78 GGGCAAGCCTGAGAGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 137
OY 129 GGGCAAGCCTGAGAGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 251
DB 138 GGGCAAGCCTGAGAGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 197
OY 252 CCAGCGCTGAGAGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 291
DB 198 TGAGCGCTGAGAGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 237

```

```

RESULT 9
PCT-US03-11231-193
; Sequence 193, Application PC/TUS0311231
; GENERAL INFORMATION:
; APPLICANT: Corixa Corporation
; APPLICANT: Day, Craig H.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Parsons, Joseph M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: 210121.53801PC
; CURRENT APPLICATION NUMBER: PCT/US03/11231
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 193
; LENGTH: 3957
; TYPE: DNA
; ORGANISM: HSV2
PCT-US03-11231-193

```

```

Query Match          16.3%; Score 50.8; DB 1; Length 3957;
Best Local Similarity 48.3%; Pred. No. 0.017;
Matches 142; Conservative 0; Mismatches 152; Indels 0; Gaps 0;

```

```

DB 2041 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2100
OY 187 AGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 246
DB 2101 TTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2160
OY 247 GGTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 300
DB 2161 AGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2214

```

```

RESULT 10
US-09-842-364A-10
; Sequence 10, Application US/09842364A
; GENERAL INFORMATION:
; APPLICANT: Yen-Potlin, Frances
; APPLICANT: Denison, Blake
; APPLICANT: Bour, Barbara
; APPLICANT: Blum, Bernard
; APPLICANT: Dumas, Mline Edwards, Jean-Baptiste
; APPLICANT: Douglert, Aymeric
; APPLICANT: Bouguetier, Lydie
; TITLE OF INVENTION: Sequences and Ballelic Markers Thereof
; FILE REFERENCE: G-089US04CIP
; CURRENT APPLICATION NUMBER: US/09/842,364A
; PRIOR FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: US 09/599,362
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: US 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: PCT/IB99/02058
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 09/469,099
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: US 60/113,686
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 10
; LENGTH: 1466
; TYPE: DNA
; ORGANISM: Human Apoa IV
US-09-842-364A-10

```

```

Query Match          14.1%; Score 44; DB 5; Length 1466;
Best Local Similarity 50.0%; Pred. No. 0.477;
Matches 110; Conservative 0; Mismatches 110; Indels 0; Gaps 0;

```

```

OY 78 CAGCGCTGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 137
DB 822 CCACCTGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 881
OY 138 CCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 197
DB 882 CTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 941
OY 198 CCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 257
DB 942 CAGCGCTGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1001
OY 258 CCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 297
DB 1002 GAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1041

```

```

RESULT 11
US-60-487-610-740
; Sequence 740, Application US/60487610
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: HUANG, Hongjin

```

```

? TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
? TITLE OF INVENTION: LAYER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS
? TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF
? FILE REFERENCE: CL001469
? CURRENT APPLICATION NUMBER: US/60/487,610
? CURRENT FILING DATE: 2003-07-17
? NUMBER OF SEQ. ID NOS.: 97101
? SOFTWARE: FASTSEQ for Windows Version 4.0
? SEQ. ID NO. 740
? LENGTH: 1754
? TYPE: DNA
? ORGANISM: Homo sapiens
? NS-60-487-610-740

```

Query Match	14.0%;	Score 43.8;	DB 7;	Length 1754;
Best Local Similarity	47.0%;	Pred. No. 0.53;		
Matches 132;	Conservative	1;	Mismatches 148;	Indels 0;
			Gaps	0
QY	6	GCTGCGCGCCCTCCGCGGGGCTGCGTGGCCCTCTCCGACGCTCCCTGCTCTTTC	65	
Db	440	GCCTCTGGGCCACAAAGGCCCTCCCGAGCCCTCTGTGCGAGGCTTCCAGGGCCGAAG	499	
QY	66	AGTGGGCTCGGGCCAAAGCCTGTGGCCCTGTGCGCTGCGTAGCGCGCGGAGAGC	125	
Db	500	GGCAGCATGGGAAACCCCGGCTTCCAGGCCCCCAAGGGCCTCCGAGGTGACGTGGCGAC	559	
QY	126	CGGGGCGGGAGACCCCTGGCCACCCCTCGGCGACCCCTCAACCCTGTAAAGCTCTCGTGA	185	
Db	560	CGGGGTCCGGGAGGTCTCCMAAGGCCCTTAAGGAGAACCGGTATTGTGAGTTCCGACGT	619	
QY	186	CAGCCTGGGCACTCCCGTGAACCACTCATCTAGAGGCTCCCAAGAGTGTGTCTAGCT	245	
Db	620	CTTCTCGGGGATTAAGAAAGAACTGGGCTCCAGCGGCTGTGTGGACCCAAAGGAGAGTCT	679	
QY	246	GGGTCCCAAGGCCGCTGGGGGCGGTAAAGGCCCTGAAGGCC	286	
Db	680	GGCAGTGGAGGAGCTGGGCCCAAGAGCAACCCAGGGTTC	720	

```

RESULT 12
US-09-475-704A-7
: Sequence 7, Application US/09475704A
: GENERAL INFORMATION:
: APPLICANT: Barnett, Susan
: TITLE OF INVENTION: POLYPEPTIDES ENCODING ANTIGENIC HIV TYPE C
: TITLE OF INVENTION: POLYPEPTIDES, POLYPEPTIDES AND USES THEREOF
: FILE REFERENCE: 1631_002
: CURRENT APPLICATION NUMBER: US/09/475,704A
: PRIORITY FILING DATE: 1999-12-30
: PRIOR APPLICATION NUMBER: 60/152,195
: NUMBER OF SEQ ID NOS: 30
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 7
: LENGTH: 1944
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Synthesized
: OTHER INFORMATION: gp140 coding region of HIV strain A110968
US-09-475-704A-7

```

Query Match	14.0%	Score 43.8	DB 5	Length 1944
Best Local Similarity	47.6%	Pred. No. 0.54		
Matches	129	Conservative	0	Mismatches 142; Indels 0; Gaps 0.

QY	30	CGTGGCCCTGTCCTCAGCTCCGCTGCTCTTCTTATGAGGCTCGGCCAAACCTGTGAC	89
DB	1377	CCTGGGCGTGGCCCCCACCAGAGCCAAAGGCCGCTGTGTGAGAGCCGAAACCGCGCGCT	1438
QY	90	CCAGCGCTTCCTGTGGCTGTGACGATCGGCGGCGGAGGCGCGGAGCCCTTGCCCAACC	149

Db	1437	GGGCGATGGGCGCCGGTTCCTGGGCTTTCCTGGGGCCGCCGCGAGACACCATGGGCGCCG	1456
Qy	150	CCTCGGGCACCGCTCAACCCGGTGAAGAGCTCTCTGAGACCTGGGCAATCCCCGTGAACCA	209
Db	1497	CAGCATCACCTGACCGCGTGCAGAGGCCGGCTCTCTGCTGAGCGGACATCGTCGACAGACA	1556
Qy	210	CCTCATGAGGGGCTCCCGAAGTGTGTGGTGTGAGCTGGGTCCCGCAGCGCGTGGGGCGGT	269
Db	1557	CAACCTGTGGCGGCGACATCAGAGGGCCACAGACACTGCTGCAGCTGACCGGTGGGGCAT	1616
Qy	270	GAAAGCCCTGAAGGCCGCTGTGGGGGCGCCTG	300
Db	1617	CAAGCAGCTGCAGAACCCGCAATCTGGCGCGTG	1647

```

RESULT 13
US-60-487-610-739
; Sequence 739, Application US/60487610
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: HUANG, Hongjin
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: LAYER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01469
; CURRENT APPLICATION NUMBER: US/60/487,610
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 97101
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 739
; LENGTH: 2425
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-487-610-739

```

Query Match	Similarity	Score	DB	Length
Best	Local	47.0%	Pred. No. 0.56;	
Matches	132; conservative	1;	Mismatches	148; Indels 0; Gaps 0;
Qy	6	GCTGCGCCCTCTGCGGGGCGTGGCGGGCCCTGTGTCGACAGCTCCGCTCGCTTCTT	65	
Db	1165	GGCTTCGGCCCAAGAGCCCTTCGGAGACCCCTGTGTTCAGAGCTTCCAGGGCCCAAG	1222	
Qy	66	AGTGGCTTCGCCCAAGCCCTGTGGGCCCACTGTGCTGCTGCGTAGTGGGGCGAGAC	125	
Db	1225	GGCACATGTGGAGACCCCGCCCTTCAGAGCCCCCAGGGCTTCGAGGTGACGTGGCGAC	1288	
Qy	126	CGGGGCCGGGACCTTCGGCCAACCCCTCGGCACCTCAACCCGGTAGAGCTCTCTAG	185	
Db	1285	CGGGGTCCGGGAGTGCCGMAAGCCCTTAAGSAGACACAGGTATTTCAGGTTCCACGCT	1344	
Qy	186	CAGCTGGGCAATCCCGTGAACCACTCATAGAGGCTCCAGAAAGTGTGTGTGACT	245	
Db	1345	CTTCTGTGGGATAAAGAGAACTGTGATCCACAGGCTGTGTGGAGCCAAAGAGACTCT	1408	
Qy	246	GGGTCCCCAGGCCCTGGGGGGCCGTGAAGGCCCTCTAAGGCC	286	
Db	1405	GGCACTGAGGGAGACTGGGCCCAAGGACACCCAGGGTCC	1445	

```

: RESULT 14
: US-09-475-704A--8
: Sequence 8, Application US/09475704A
:
: GENERAL INFORMATION:
:
: APPLICANT: Barnett, Susan
:
: APPLICANT: zur Megede, Jan
:
: TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING ANTIGENIC HIV TYPE C
:
: TITLE OF INVENTION: POLYPEPTIDES, POLYPEPTIDES AND USNS THEROF
:
: FILE REFERENCE: 1631.002
:
: CURRENT APPLICATION NUMBER: US/09/475,704A
:
: CURRENT FILING DATE: 1999-12-30
:
: PRIOR APPLICATION NUMBER: 60/152,195
:
: PRIOR FILING DATE: 1999-09-01

```

; NUMBER OF SEQ ID NOS: 30
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 8
 ; LENGTH: 2466
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: synthetic
 ; OTHER INFORMATION: gp160 coding region of HIV strain AF110968
 US-03-475-704A-8

Query Match
 Best Local Similarity 47.6%; Score 43.8; DB 5; Length 2466;
 Matches 129; Conservative 0; Mismatches 142; Indels 0; Gaps 0;

QY 30 GGTGGCCCTGTCCTGACAGCTCCGCTGCTTCTTCTAGTGGGCTCGGCCAAGCCTGTGC 89
 DB 1377 CCTGGGCTGCGCCCGCCACGAGGCCAAGCGCGGTGGAGCGCGAGAGCGCCGCT 1436
 QY 90 CCAGCCTGCGCTGAGTGCAGCGCGGCGAGCGCGGCGCGAGACCTGCGCAACC 149
 DB 1437 GGGCATCGCGCCCGTGTCTCTGCGCTTCTGCGCGCGCGCGAGCACATGGCGCGC 1496
 QY 150 CCTGGGACCTCTCAACCGCGTGAAGCTGCTGAGGAGCGCTGGCATCCCGTGAACA 209
 DB 1497 CAGCATCACCTGTGACCGCGCGCGCGCTGCTGAGCGCATCTGTCAGACGACGAA 1556
 QY 210 CCTCATAGAGGCGTCCCAAGTGTGTGCTGAGCTGAGTCCCGAGCGCGTGGGCGCT 269
 DB 1557 CAACCTGCTGCGCGCGCATCGAGCGCGCGACGACGACCTGCTGACGTGACCGTGGGCT 1616
 QY 270 GAAGCCCTGAAGCCCTGCTGGGCGCGCTG 300
 DB 1617 CAGCAGCTGCGACCGCATCTGCGCGT 1647

RESULT 15
 US-60-487-610-738
 ; Sequence 738, Application US/60487610
 ; GENERAL INFORMATION:
 ; APPLICANT: CARGIL, Michele
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
 ; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS- INFECTED SUBJECTS,
 ; FILE REFERENCE: CLO01469
 ; CURRENT APPLICATION NUMBER: US/60/487,610
 ; NUMBER OF SEQ ID NOS: 97101
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 738
 ; LENGTH: 2480
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-60-487-610-738

Query Match
 Best Local Similarity 47.0%; Score 43.8; DB 7; Length 2480;
 Matches 132; Conservative 1; Mismatches 148; Indels 0; Gaps 0;

QY 6 GCTGCGCCCTCTGCGGCTGCTGAGCGCTGCTGCTGAGCTCCGCTGCTTCTT 65
 DB 1165 GCCCTGGGCCCAAGAGCCCTCCGAGGCCCTGCTGCTGAGCTTCCAGGCGCAAG 1224
 QY 66 AGTGGCTCGGCAAGCCTGTGCGCAGCTGCTGCTGAGTTCGCGCGCGAGAGC 125
 DB 1225 GGCAGCATGGGAGACCCCGGCTTCCAGGCGCGCGCGCGCGCGAGTGGGCGAC 1284
 QY 126 CGGGGCGCGGACCTGCGCAACCCCTGCGCAGCTCAACCCGCTGAAGCTCTGCTGAG 185
 DB 1285 CGGGGTCGCGGAGGTGCGCAAGGCGCTTAAGGAGAGACAGGATGATGAGGTTCCGACGGT 1344
 QY 186 CAGCCTGGGATCCCGGTGAACACCTCATAGAGGCTCCGAGAAAGTGTGCTGAGCT 245

DB 1345 CTTCCTGGGATTAAGAGAGACTGGGTCCCGAGCGCTGCTGAGACCCAAAGAGAGTCT 1404
 QY 246 GGTGCCAGAGCGCGTGGGCGCGTGAAGGCGCTGAAGGCGC 286
 DB 1405 GGCAGTTCGAGGAGGAGCTGGGCGCGCAAGGCGACCCAGAGGTCC 1445

Search completed: September 20, 2003, 03:15:36
 Job time : 64.46 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:17:58 ; Search time 1396.59 Seconds
(without alignments)
9139.272 Million cell updates/sec

Title: US-10-081-817A-3

Perfect score: 312
Sequence: 1 atgaagctgcgcgcctcctc.....gggcctgacagtgttggc 312

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2888711 segs, 2045481386 residues

Total number of hits satisfying chosen parameters: 5777422

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : GenEmbl.*
1: gb_ha:*
2: gb_hg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pa:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_yi:*
15: em_da:*
16: em_fun:*
17: em_hum:*
18: em_in:*
19: em_mu:*
20: em_om:*
21: em_or:*
22: em_ov:*
23: em_pa:*
24: em_ph:*
25: em_pl:*
26: em_ro:*
27: em_sts:*
28: em_un:*
29: em_yi:*
30: em_hg_hum:*
31: em_hg_inv:*
32: em_hg_other:*
33: em_hg_mus:*
34: em_hg_pls:*
35: em_hg_pod:*
36: em_hg_man:*
37: em_hg_vrt:*
38: em_sy:*
39: em_hgo_hum:*
40: em_hgo_mus:*
41: em_hgo_other:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	312	100.0	461	9	AY040564
2	308.8	99.0	471	9	AY040564 Homo sapi
3	308.8	99.0	503	9	BC029176
4	308.8	99.0	519	9	BD082142
5	308.8	99.0	562	6	BD082142 Reagents
6	308.8	99.0	569	6	BD082141 Reagents
7	308.8	99.0	570	6	AX201348 Sequence
8	308.8	99.0	570	6	AR252648 Sequence
9	307.2	98.5	347	9	AX403520 Sequence
10	238.2	76.3	130129	2	AF313458 Homo sapi
11	238.2	76.3	166777	2	AC108083 Homo sapi
12	238.2	76.3	168347	2	AC105613 Homo sapi
13	238.2	76.3	190024	2	AC025336 Homo sapi
14	227.2	72.8	127488	2	AC122714 Homo sapi
15	183	58.7	225	6	AC022095 Homo sapi
16	165.4	53.0	380	6	BD082139 Reagents
17	162.8	52.2	244	6	AX334451 Sequence
18	108.2	34.7	525	10	AF313456 Mus muscu
19	90.4	29.0	245659	2	AC098857 Rattus no
20	90.4	29.0	283593	2	AC131433 Rattus no
21	90	28.8	254981	10	AF313457 Mus muscu
22	88.4	28.3	630	10	AF313457 Mus muscu
23	65.8	20.1	190	6	BD082137 Reagents
24	50.4	18.1	366	6	AF313455 Homo sapi
25	50.4	18.1	308	6	AX376176 Sequence
26	39.4	19.1	350	9	BC024232 Homo sapi
27	35.8	17.9	166644	9	AC011352 Homo sapi
28	32.8	16.9	523	10	AF274939 Mus muscu
29	32.8	16.9	589	10	AF274960 Mus muscu
30	30	16.9	853	10	AF274961 Mus muscu
31	52.8	16.9	147774	2	AC104867 Mus muscu
32	52.8	16.9	237987	2	AC106616 Rattus no
33	51.2	16.4	303550	1	AL339131 Streptomy
34	50.8	16.3	3957	6	SC0939131 A45258
35	50.8	16.3	3957	6	HSV2HG52 Sequence 2
36	50.8	16.3	154746	14	HSV2HG52 Sequence 2
37	49.6	15.9	357	6	BD058364 Secreted
38	49.2	15.8	1875	9	AF169017 Homo sapi
39	49.2	15.8	1900	9	AF289021 Homo sapi
40	49.2	15.8	1918	9	BC052248 Homo sapi
41	49.2	15.8	1930	9	AF289024 Homo sapi
42	49.2	15.8	1948	9	AF289022 Homo sapi
43	48.6	15.6	106873	14	AB096160 Cercopith
44	48.6	15.6	156789	14	AF533768 Cercopith
45	48	15.4	93872	8	CNS08C7S AL731743 Oryza sat

ALIGNMENTS

RESULT 1	LOCUS	DEFINITION	ACCESSION	VERSION	KEYWORDS	ORGANISM	REFERENCE	AUTHORS
AY040564	AY040564	Homo sapiens HIN-1 putative cytokine mRNA, complete cds.	AY040564	AY040564.1	GI:15079187	Homo sapiens (human)	461 bp mRNA linear PRI 15-AUG-2001	
						Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
						1 (bases 1 to 461)		
						Krop, I.E., Sgroi, D., Porter, D.A., Lunetta, K.L., LeVangie, R., Seth, P., Kaelin, C.M., Rhel, E., Rosenberg, M., Schmitt, S., Marks, J.R., Pagon, Z., Bellina, D., Razumovic, J. and Polyak, K.		

TITLE	JOURNAL	REF ID	DATE
HIN-1, a putative cytokine highly expressed in normal but not cancerous mammary epithelial cells	Proc. Natl. Acad. Sci. U.S.A.	98 (17)	9796-9801 (2001)
PUBMED	11481438		
REFERENCE	2 (bases 1 to 461)		
AUTHORS	Polyak, K., Krop, I. and Sgroi, D.		
TITLE	Direct Submission		
JOURNAL	Submitted (15-JUN-2001)		
FEATURES	Adult Oncology, Dana-Farber Cancer Institute, 44 Binney St. D740C, Boston, MA 02115, USA		
	Location/Qualifiers		

	1990	2000
CDs	22.336	22.336

BASE COUNT	68 a	171 c	149 g	73 t
ORIGIN				

Query Match	100.0%	Score 312;	DB 9;	Length 461;
Best Local Similarity	100.0%	Pred. NO. 1.8e-39;		
Matches 312; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0

OY	1	ATGAAGCTGCGCCCTCCTGGGCTGTGCAGTGGCCCTGCTGGAGTCGCCCTGTGCT	60
Db	22	ATGAAGCTGCGCCCTCCTGGGCTGTGCAGTGGCCCTGCTGGAGTCGCCCTGTGCT	81
OY	61	TTCTAATGAGGCTCGGCCAAAGCCTGTGGCCCCAGCCTGTGCGTGCGGCTGTAAGTGGCGGCG	120
Db	82	TTCTAATGAGGCTCGGCCAAAGCCTGTGGCCCCAGCCTGTGCGTGCGCTGTAAGTGGCGGCG	141
OY	121	GAGCGCGGGGCGGGACCTGTGGCCCAACCCTCTGGGACCCGTCAACCCGCTGAAGTCTGTG	180
Db	142	GAGCGCGGGGCGGGACCTGTGGCCCAACCCTCTGGGACCCCTCAACCCGCTGAAGTCTGTG	201
OY	181	CTGAGCAAGCTGGGCATATCCCGGTGAACAACACTCATATAGAAGGCTCCCAAGATGTGTGCT	240
Db	202	CTGAGCAAGCTGGGCATATCCCGGTGAACAACACTCATATAGAAGGCTCCCAAGATGTGTGCT	261
OY	241	GAGCTGGGTCCCAGGCCGTGGGGCGGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG	300
Db	262	GAGCTGGGTCCCAGGCCGTGGGGCGGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG	321
OY	301	ACAGTGTATTGAC	312
Db	322	ACAGTGTATTGAC	333

RESULT 2					PRI 29-AUG-1998
HUMGB5D10	HUMGB5D10				
LOCUS		471 bp	MRNA	linear	
DEFINITION					
DESCRIPTION	Human sapiens full length insert		CDNA clone	ZB5D10.	
VERSION	AF066152.1				
KEYWORDS	FLI CDNA				
SOURCE	Homo sapiens				
ORGANISM	Homo sapiens (human)				

REFERENCE

I (bases 1 to 471)

Moessner, J., Tan, F., Marra, M., Kucaba, T., Yandell, M., Martin, J., Marth, G., Bowles, L., Wylie, T., Bowers, Y., Septeine, M., Theising, B., Geisel, S., Allen, M., Underwood, K., Chappell, J., Peterson, B., ... and others, 2006. *Candidatus* *Nomilidae*; *Nomilidae*.

TITLE	Full Clone Sequencing of the Longest Available Member from Each
JOURNAL	Unigene Cluster
REFERENCE	2 (bases 1 to 471)
FUNCTIONS	WATSON 1998
TITLE	Direct Submission
JOURNAL	Submitted (22-AUG-1998) Department of Genetics, Washington
COMMENT	University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
SUBMITTED BY:	

[illegible]

The location of this clone is unknown.

FEATURES

```
source  
10ccuccuu/cuddlets  
477  
/organism="Homo sapiens"  
/mol_type="mrna"  
/db_xref="taxon:9606"  
clone="IMAGE:307219"  
/clone.lib="scores-fetal_lung-NBHL19W"
```

Query Match	99.0%;	Score 308.8;	DB 9;	Length 471
Best Local Similarity	99.4%;	Pred. No. 5.6e-39;		

Matches	310;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;
---------	------	--------------	----	------------	----	--------	----	------	----

QY	1	ATGAAGCTCGCCGCGCCTCTCTGGGGGCTGTGCGTGCACCTGTCGACAGCTCCGCTGTGCT	60
Db	22	ATGAAGCTCGCCGCGCCTCTCTGGGGCTGTGCGTGCACCTGTCGACAGCTCCGCTGTGCT	81
QY	61	TTCTTAGTGGGTGCGCCAAAGCCTGTGAGCCAGCTGTGCTGCTGCTGGAGAGTGCAGGCG	120
Db	82	TTCTTAGTGGGTGCGCCAAAGCCTGTGAGCCAGCTGTGCTGCTGCTGGAGAGTGCAGGCG	141
QY	121	GAGGCGCGGGGGCGGGAGCCCTGGGCGCAACCCCTGGGACCCCTGAAACCCGCTGAAGCTCTG	180
Db	142	GAGGCGCGGGGGCGGGAGCCCTGGGCGCAACCCCTGGGACCCCTGAAACCCGCTGAAGCTCTG	201
QY	181	CTGAGCAGACCTGGGCAATCCCGTGTAAACCAACCTCATATGAGGGGCTCCCAAGAAATGTGTGCT	240
Db	202	CTGAGCAGACCTGGGCAATCCCGTGTAAACCAACCTCATATGAGGGGCTCCCAAGAAATGTGTGCT	261
QY	241	GAGCTGGGTCCCAAGGCCGTGTGGGGGCCGTGTAAAGGCCCTGTGCTGTGGGGGCCCTG	300
Db	262	GAGCTGGGTCCCAAGGCCGTGTGGGGGCCGTGTAAAGGCCCTGTGCTGTGGGGGCCCTG	321
QY	301	ACAAGTGTGGC 312	
Db	322	ACAAGTGTGGC 333	

RESULT 3
BC029176

LOCUS	BC029176	503 bp	mRNA	linear	Pri 16-MAY-2002
DEFINITION	Homo sapiens, secretogloblin family 3a, member 1, clone MGC:34758				
ACCESSION	IMAGE:5180304, mRNA, complete cds.				
VERSION	BC029176				
KEYWORDS	BC029176.1 GI:20809672				
SOURCE	MGC.				
ORGANISM	Homo sapiens (human)				
REFERENCE	Homo sapiens				
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
TITLE	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.				
JOURNAL	1 (bases 1 to 503)				
	Strausberg,R.				
	Direct Submission				
	Submitted (01-MAY-2002) National Institutes of Health, Mammalian				
	Gene Collection (MGC), Cancer Genomics Office, National Cancer				
	Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,				
	USA				
REMARK	NIH-MGC Project URL: http://mgc.nci.nih.gov				
COMMENT	Contact: MGC help desk				
	Email: cgapbs-remail.nih.gov				
	Tissue Procurement: Life Technologies, Inc.				
	cDNA Library Preparation: Life Technologies, Inc.				
	DNA Sequencing by: Baylor College of Medicine Human Genome				
	Sequencing Center				
	Center code: BCM-HGSC				
	Web site: http://www.hgsc.bcm.tmc.edu/cdna/				
	Contact: amgebcm.tmc.edu				
	Gumartsev, P.H., Garcia, A.M., Lu, X., Huiyk, S.W., Hale, S.M.,				
	Xoon, V.S., Kowls, C.R., Lawrence, S., Martin, R.G., Muzny, D.M.,				
	Richards, S., Gibbs, R.A.				
	Clone distribution: MGC clone distribution information can be found				
	through the I.M.A.G.E. Consortium/LNLN at: http://image.lnl.nl.gov				
	Series: IRAX Plate: 50 Row: B Column: 24				
	This clone was selected for full length sequencing because it				
	passed the following selection criteria: Hexamer frequency ORF				
	analysis, location/Qualifiers				
FEATURES	1..503				
source	/organism="Homo sapiens"				
	/mol_type="mRNA"				
	/db_xref="locusID:92304"				
	/db_xref="taxon:9606"				
	/clone_MGC:34758 IMAGE:5180304"				
	/tissue_type="Brain, Lung, Testis, adult, pooled whole"				
	/clone_id="NH_MGC_115"				
	/lab_host="DH10B"				
	/note="Vector: pCMV-SPORT6"				
	16..330				
CDS	/product="secretogloblin, family 3a, member 1"				
	/protein_id="AAH29176.1"				
	/db_xref="GI:20809673"				
	/translation="MTLALILGLCYVALSCSSAAFLVGSARFPVAQLLESAPAGC				
	GTLLANPLGTLPKLKLTLSISITIPVNHLETSQSVAEIISPQAVGVAKDLILGLTIV				
	FG"				
	116 a 167 c 147 g 73 t				
BASE COUNT					
ORIGIN					
	Query Match 99.0%; Score 308.8; DB 9; Length 503:				
	Best Local Similarity 99.4%; Pred. No.5,5e-39;				
	Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0				
OY	1 ATGAAGTCGCCGGCCCTCGTGAGGAGCTCGTGCAGCTCCGCTCGTCT 60				
DB	16 ATCAAGTCGCCGCCCTCGTGAGGAGCTCGTGCAGCTCCGCTCGTCT 75				
OY	61 TTCTTAATGAGGCTCGGCAAGCCGTGAGGAGCTCGTGCAGCTCCGCTCGTCT 120				
DB	76 TTCTTAATGAGGCTCGGCAAGCCGTGAGGAGCTCGTGCAGCTCCGCTCGTCT 135				
OY	121 GAGGCCGGGCGGACCCTTGACCAACCCCCTCGGACACCTCAACCGCGTGAAGCTCTG 180				

	Db	136	GAGGCGGGGGGGGAGACCTTGCGCAACCCCTCGGACCCCTCAACCGCTGAAAGCTCTGG	195
	QY	181	CTGAGAGAGCTGGGGCAATCCCGTGAACCAACCTCATATGAGAGGGCTCCAGAAAGTGTGGCT	240
	Db	196	CTGAGCAAGCTGGGGCATTCCTCCGTGAACCAACCTCATATGAGAGGGCTCCAGAAAGTGTGGCT	255
	QY	241	GAGCTGGGTTCCCAAGGCGGTGGGGCGGTGAAGAGCCCTGAAGGCCCTGCTGGAGGGCCCTGG	300
	Db	256	GAGCTGGGTTCCCAAGGCGGTGGGGCGGTGAAGAGCCCTGAAGGCCCTGCTGGAGGGCCCTGG	315
	QY	301	ACAGTGTGTGGC 312	
	Db	316	ACAGTGTGTGGC 327	
RESULT 4				
LOCUS	BD082142		519 bp	DNA linear
DEFINITION				Reagents and methods useful for detecting diseases of the lung.
ACCESSION	BD082142			
VERSION	BD082142.1		GI:22627752	
KEYWORDS	JP 2001522225-A/6.			
SOURCE				
ORGANISM				
				Zea mays
				Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoidae; Andropogoneae; Zea.
				1 (bases 1 to 519)
REFERENCE				Medel,P.B., Cohen,M., Colpitts,T.L., Friedman,P.N., Gordon,J.,
AUTHORS				Granados,E.N., Hodges,S.C., Klass,M.R., Kratochvill,J.D., Rapp,L.R., Russell,J.C. and Stroupe,S.D.
				Reagents and methods useful for detecting diseases of the lung
				Patent: JP 2001522225-A 6 13-NOV-2001;
				ABBOTT LABORATORIES
TITLE				
JOURNAL				
COMMENT				
				PN JP 2001522225-A/6
				PD 13-NOV-2001
				PF 30-JUN-1998 JP 1998533078
				PR 31-JUN-1997 US 08/791710
				PI PATRICIA A BILLING MEDEL,MAURICE COHEN,TRACEY L COLPITTS,PAULA
				PI N FRIEDMAN.
				PI JULIAN GORDON,EDWARD N GRANADOS,STEVEN C HODGES,MICHAEL R PI
				KLASS.
				PI JUN D KRATOCHVILL,LISA ROBERTS RAPP,JOHN C RUSSELL,STEPHEN D
				PI STROUPE
				PC C12N15/63,C12N5/10,C1201/68,C07K14/47//C07K16/30,G01N33/574 CC
				Strandedness: Single;
				CC Topology: Linear;
				Key Location/Qualifiers.
FEATURES				
source				1..519
				/organism="Zea mays"
				/mol_type="genomic DNA"
				/db_xref="taxon:4577"
BASE COUNT				
ORIGIN				
				78 a 190 c 170 g 81 t
Query Match				99.0%; Score 308.8; DB 6; Length 519;
Best Local Similarity				99.4%; Pred. No. 5,5e-39;
Matches 310; Conservative				0; Mismatches 2; Indels 0; Gaps 0
QY		1	ATGAAAGCTGCGCCCTCTCTGGGGCTCTCGTGGGCCCTTCTCTGACAGCTCCGCTGTGCT	60
Db		79	ATGAAAGCTGCGCCCTCTCTGGGGCTCTCGTGGGCCCTTCTCTGACAGCTCCGCTGTGCT	138
QY		61	TTCCTTGTGGGGCTGGGCAAGCCTGTGGGCCAGCCTGTGCTGGAGTGGAGTGGGGGCG	120
Db		139	TTCCTTGTGGGGCTGGGCAAGCCTGTGGGCCAGCCTGTGCTGGAGTGGAGTGGGGGCG	198
QY		121	GAGGCGGGGGCGGGAGCCGTTGGGCAACCCCTGGGACCCCTCAACCCGCTGAAGGCTCTG	180
Db		199	GAGGCGGGGGCGGGAGCCGTTGGGCAACCCCTGGGACCCCTCAACCCGCTGAAGGCTCTG	258

QY	181	CTGACGACGCTGGGGCATCCCGCTGAACCACTCATATAGAGGGCTCCCAAGATGTGGCT	240
Db	259	CTGGACGAGCTTGGGCAATCCCGCTGAACCACTCATATAGAGGGCTCCCAAGATGTGGCT	318
QY	241	GAGCTGGGTCCCGCAGGCGCTGGGGCCGTGAAGGCCGTGAAGGCCCTGTGGGGGCCCTG	300
Db	319	GAGCTGGGTCCCGCAGGCGCTGGGGCCGTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTG	378
QY	301	ACAGTGTGGC	312
Db	379	ACAGTGTGGC	390

RESULT 5	LOCUS	DEFINITION	ACCESSION	VERSION	KEYWORDS	SOURCE
BD082141	BD082141	Reagents and methods useful for detecting diseases of the lung.	562 bp	DNA	linear	PAT 27-AUG-2002
	BD082141					
	BD082141.1	gi:22627751				
	JP 2001522225-A/5.					
	zea mays					

REFERENCE AUTHORS

TITLE Russell, J.C. and Stroupe, S.D.
Reagents and methods useful for detecting diseases of the lung
PATENT: JP 2001522225-A 5 13-NOV-2001;
ABSTRACT: ABSTRACT MODIFIED

COMMENT

PI PATRICIA, A BILLING MEDEL, MAURICE COHEN, TRACEY L COLPITTS, PAULA

PI N FRIEDMAN, PI JULIAN GORON, EDWARD N GRANADOS, STEVEN C HODGES, MICHAEL R PI KLAAS, PI JON D KRATOCHVIL, LISA ROBERTS RAPP, JOHN C RUSSELL, STEPHEN D PI STROUPE, PC C12N5/63.C12N5/10.C1201/68.C07K14/47//C07K16/30.G01N33/574 CC Strandedness: Single; CC Topology: Linear;

FEATURES

```

/organism="Zea mays"
/mol_type="genomic DNA"
/db_xref="taxon:4577"
82 a      200 c      192 g      86 t      2 others
|
BASE COUNT
ORIGIN

```

Query Match
Best Local

Model	Conservative	Indels	Gaps
Model 1	310	0	0
Model 2	310	0	0
Model 3	310	0	0
Model 4	310	0	0
Model 5	310	0	0
Model 6	310	0	0
Model 7	310	0	0
Model 8	310	0	0
Model 9	310	0	0
Model 10	310	0	0
Model 11	310	0	0
Model 12	310	0	0
Model 13	310	0	0
Model 14	310	0	0
Model 15	310	0	0
Model 16	310	0	0
Model 17	310	0	0
Model 18	310	0	0
Model 19	310	0	0
Model 20	310	0	0
Model 21	310	0	0
Model 22	310	0	0
Model 23	310	0	0
Model 24	310	0	0
Model 25	310	0	0
Model 26	310	0	0
Model 27	310	0	0
Model 28	310	0	0
Model 29	310	0	0
Model 30	310	0	0
Model 31	310	0	0
Model 32	310	0	0
Model 33	310	0	0
Model 34	310	0	0
Model 35	310	0	0
Model 36	310	0	0
Model 37	310	0	0
Model 38	310	0	0
Model 39	310	0	0
Model 40	310	0	0
Model 41	310	0	0
Model 42	310	0	0
Model 43	310	0	0
Model 44	310	0	0
Model 45	310	0	0
Model 46	310	0	0
Model 47	310	0	0
Model 48	310	0	0
Model 49	310	0	0
Model 50	310	0	0
Model 51	310	0	0
Model 52	310	0	0
Model 53	310	0	0
Model 54	310	0	0
Model 55	310	0	0
Model 56	310	0	0
Model 57	310	0	0
Model 58	310	0	0
Model 59	310	0	0
Model 60	310	0	0
Model 61	310	0	0
Model 62	310	0	0
Model 63	310	0	0
Model 64	310	0	0
Model 65	310	0	0
Model 66	310	0	0
Model 67	310	0	0
Model 68	310	0	0
Model 69	310	0	0
Model 70	310	0	0
Model 71	310	0	0
Model 72	310	0	0
Model 73	310	0	0
Model 74	310	0	0
Model 75	310	0	0
Model 76	310	0	0
Model 77	310	0	0
Model 78	310	0	0
Model 79	310	0	0
Model 80	310	0	0
Model 81	310	0	0
Model 82	310	0	0
Model 83	310	0	0
Model 84	310	0	0
Model 85	310	0	0
Model 86	310	0	0
Model 87	310	0	0
Model 88	310	0	0
Model 89	310	0	0
Model 90	310	0	0
Model 91	310	0	0
Model 92	310	0	0
Model 93	310	0	0
Model 94	310	0	0
Model 95	310	0	0
Model 96	310	0	0
Model 97	310	0	0
Model 98	310	0	0
Model 99	310	0	0
Model 100	310	0	0

2Y 1

122

61 200

DD	182
Dv	131

27	121
28	242

181

D _b	302	CTGAGCAGCCCGTGGGCATCCCCGTAAACCACTCTCATAGAGGGCTCCCGAAGTGTGTGGCT	361
OY	241	GAGCTGGGTCCCACGAGGCCGTGGGGGCCGTAAAGCCCTACTGGGGGCCCTG	300
D _b	362	GAGCTGGGTCCCCGAGGCCGTGGGGGCCGTAAAGCCCTCAAGGCCCTCTGGGGGCCCTG	421
OY	301	ACAAGTTTGAGC	312
D _b	422	ACAAGTTTGAGC	433

RESULT 6			
AX201348			
LOCUS	AX201348	569 bp	DNA
DEFINITION	Sequence 27 from Patent WO0153486.		linear
ACCESSION	AX201348		
VERSION	AX201348.1		
KEYWORDS	GI:15391167		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		

REFERENCE
AUTHORS

TITLE O'Brien, D.M., Malachuk, C.A., and Wood, W.L.
COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOUR
PATENT: WO 0153486-A 27 26-JUL-2001;
Genentech, Inc. (US)

FEATURES

BASE COUNT	ORIGIN
128 a	190 c 170 g 81 t

Query Match	99.0%	Score 308.8	DB 6	Length 569
Best Local Similarity	99.4%	Pred. No. 5.4e-39		
Matches 310	Conservative	0	Mismatches 2	Indels 0
				Gaps 0

QY

Db

QY

DB

Or

Dy Db

QY

D5

QY

D_b

QY

Db.

RESULT 7

AR252648
LOCUS

**DEFINITION
ACCESSION**

VERSION

KEYWORDS Unknown.
SOURCE ORGANISM
REFERENCE 1 (bases 1 to 570)
AUTHORS Winterbottom, J.M., Shimp, L., Boyce, T.M., and Kaes, D.
TITLE Implant, method of making same and use of the implant for the treatment of bone defects
JOURNAL Patent: US 6478825-A 407 12-NOV-2002;
FEATURES Location/Qualifiers
source 1..570
BASE COUNT 129 a 190 c 170 g 81 t
ORIGIN

Query Match 99.0%; Score 308.8; DB 6; Length 570;
 Best Local Similarity 99.4%; Pred. No. 5.4e-39; Indels 0; Gaps 0;
 Matches 310; Conservative 0; Mismatches 2;

Oy 1 ATGAAGCTCGCCGCGCTCTGCGGCTCTGCGTGGCCCTGTCGCAAGCTCCGCTCGTCT 60
 |||||||
 Db 79 ATGAAGCTCGCCGCGCTCTGCGGCTCTGCGTGGCCCTGTCGCAAGCTCCGCTCGTCT 138
 |||||||
 Oy 61 TTCTTAGTGGGCTCGGCCAAGCCCTGTGGCCAGCTCTGCGTGGAGTGGGGCGG 120
 |||||||
 Db 139 TTCTTAGTGGGCTCGGCCAAGCCCTGTGGCCAGCTCTGCGTGGAGTGGGGCGG 198
 |||||||
 Oy 121 GAGGCGCGGGCGGAGCCCTGCGCAACCCCTCGGCACCTCAACCCGCTGAAGCTCTG 180
 |||||||
 Db 199 GAGGCGCGGGCGGAGCCCTGCGCAACCCCTCGGCACCTCAACCCGCTGAAGCTCTG 258
 |||||||
 Oy 181 CTGAGCAGCTGGGATCCCGTGAACCAACCTCATAGAGGCTCCGCAAGTGTGGCT 240
 |||||||
 Db 259 CTGAGCAGCTGGGATCCCGTGAACCAACCTCATAGAGGCTCCGCAAGTGTGGCT 318
 |||||||
 Oy 241 GAGCTGGTCCCGCAGGCGCTGGGGCGCTGAAGGCGCTGAAGGCGCTCTGGGGCGCTG 300
 |||||||
 Db 319 GAGCTGGTCCCGCAGGCGCTGGGGCGCTGAAGGCGCTGAAGGCGCTCTGGGGCGCTG 378
 |||||||
 Oy 301 ACACTGTTGGC 312
 |||||||
 Db 379 ACACTGTTGGC 390

RESULT 8
AX403520 570 bp DNA linear PAT 14-JUN-2002
LOCUS AX403520 407 from Patent WO0073454.
DEFINITION Sequence
ACCESSION AX403520 GI:21437002
VERSION AX403520.1 GI:21437002
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1 (bases 1 to 407)
AUTHORS Ashkenazi, A., Baker, K.P., Botstein, D., Desnoyers, L., Eaton, D., Ferrara, N., Gerber, H., Gertsenstein, M., Goddard, A., Godowski, P., Grimaldi, C.J., Gurney, A.L., Kijavich, I., Nappier, M.A., Pan, J., Paoni, N.F., Roy, M., Stewart, T.A., Tumas, D., Watanabe, C.K., Williams, P., Wood, W.I., and Zhang, Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: WO 0073454-A 407 07-DEC-2000;
FEATURES Location/Qualifiers
source 1..570
BASE COUNT 129 a 190 c 170 g 81 t
ORIGIN

Query Match 99.0%; Score 308.8; DB 6; Length 570;
 Best Local Similarity 99.4%; Pred. No. 5.4e-39; Indels 0; Gaps 0;
 Matches 310; Conservative 0; Mismatches 2;

Oy 1 ATGAAGCTCGCCGCGCTCTGCGGCTCTGCGTGGCCCTGTCGCAAGCTCCGCTCGTCT 60
 |||||||
 Db 79 ATGAAGCTCGCCGCGCTCTGCGGCTCTGCGTGGCCCTGTCGCAAGCTCCGCTCGTCT 138
 |||||||
 Oy 61 TTCTTAGTGGGCTCGGCCAAGCCCTGTGGCCAGCTCTGCGTGGAGTGGGGCGG 120
 |||||||
 Db 139 TTCTTAGTGGGCTCGGCCAAGCCCTGTGGCCAGCTCTGCGTGGAGTGGGGCGG 198
 |||||||
 Oy 121 GAGGCGCGGGCGGAGCCCTGCGCAACCCCTCGGCACCTCAACCCGCTGAAGCTCTG 180
 |||||||
 Db 199 GAGGCGCGGGCGGAGCCCTGCGCAACCCCTCGGCACCTCAACCCGCTGAAGCTCTG 258
 |||||||
 Oy 181 CTGAGCAGCTGGGATCCCGTGAACCAACCTCATAGAGGCTCCGCAAGTGTGGCT 240
 |||||||
 Db 259 CTGAGCAGCTGGGATCCCGTGAACCAACCTCATAGAGGCTCCGCAAGTGTGGCT 318
 |||||||
 Oy 241 GAGCTGGTCCCGCAGGCGCTGGGGCGCTGAAGGCGCTGAAGGCGCTCTGGGGCGCTG 300
 |||||||
 Db 319 GAGCTGGTCCCGCAGGCGCTGGGGCGCTGAAGGCGCTGAAGGCGCTCTGGGGCGCTG 378
 |||||||
 Oy 301 ACACTGTTGGC 312
 |||||||
 Db 379 ACACTGTTGGC 390

RESULT 9
AF313458 347 bp mRNA linear PRI 19-NOV-2002
LOCUS AF313458 Homo sapiens UGRP2 mRNA, complete cds.
DEFINITION AF313458
ACCESSION AF313458 GI:16565421
VERSION AF313458.1 GI:16565421
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1 (bases 1 to 347)
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE Ntmi, T., Keck-Waggoner, C.L., Popescu, N.C., Zhou, Y., Levitt, R.C., and Kimura, S.
JOURNAL UGRP1, a uteroglobin/Clara cell secretory protein-related protein, is a novel lung-enriched downstream target gene for the T/EBP/NKX2.1 homeodomain transcription factor
FEATURES Mol. Endocrinol. 15 (11), 2021-2036 (2001)
ORIGIN

JOURNAL MEDLINE 11682631
 PUBMED 21539178
 JOURNAL 12438750
 PUBMED 3 (bases 1 to 347)
REFERENCE 1 (bases 1 to 347)
AUTHORS Ntmi, T., Copeland, N.G., Gilbert, D.J., Jenkins, N.A., Srisodasai, A., Zimonjic, D.B., Keck-Waggoner, C.L., Popescu, N.C., and Kimura, S.
TITLE Cloning, expression, and chromosomal localization of the mouse gene (Scgb3a1, alias Ugrp2) that encodes a member of the novel uteroglobin-related protein gene family
JOURNAL Cytogenet. Genome Res. 97 (1-2), 120-127 (2002)
FEATURES Location/Qualifiers
source 1..347
BASE COUNT 11 a 325
ORIGIN

	misc_feature	/note="assembly-fragment" 5043..6981	
	misc_feature	/note="assembly-fragment" 7082..8708	
	misc_feature	/note="assembly-fragment" 8809..10286	
	misc_feature	/note="assembly-fragment" 10387..12212	
	misc_feature	/note="assembly-fragment" 12313..14658	
	misc_feature	/note="assembly-fragment" 14759..17941	
	misc_feature	/note="assembly-fragment" 18042..21297	
	misc_feature	/note="assembly-fragment" 21398..24992	
	misc_feature	/note="assembly-fragment" 25093..27768	
	misc_feature	/note="assembly-fragment" 27869..31188	
	misc_feature	/note="assembly-fragment" 31289..33714	
	misc_feature	/note="assembly-fragment" 33815..37277	
	misc_feature	/note="assembly-fragment" 37378..42302	
	misc_feature	/note="assembly-fragment" 42403..47816	
	misc_feature	/note="assembly-fragment" 47917..52586	
	misc_feature	/note="assembly-fragment" 52687..56567	
	misc_feature	/note="assembly-fragment" 56668..61557	
	misc_feature	/note="assembly-fragment" 61658..66724	
	misc_feature	/note="assembly-fragment" 66825..71568	
	misc_feature	/note="assembly-fragment" 71669..76578	
	misc_feature	/note="assembly-fragment" 76679..83312	
	misc_feature	/note="assembly-fragment" 83413..90053	
	misc_feature	/note="assembly-fragment" 90154..99426	
	misc_feature	/note="assembly-fragment" 99527..108015	
	misc_feature	/note="assembly-fragment" 108116..118144	
	misc_feature	/note="assembly-fragment" 118245..130468	
	misc_feature	/note="assembly-fragment" 130569..142239	
Query Match		76.3%; Score 238.2; DB 2; Length 168347;	
Best Local Similarity		98.8%; Pval No. 1.7e-28;	
Matches 240; Conservative	0; Mismatches	3; Indels	0; Gaps
0Y	50	CCGCTCGGCTTTTCTTATGTCGGTCGGCCCAAGCTCTGTGCCCCAGCCTTGCCTGGCGTGG	109
Db	144047	CAGCTGCTGCTTTTCTTATGTCGGTCGGCCCAAGCTCTGTGCCCCAGCCTTGCCTGGCTGG	143988
0Y	110	AGTGGGGGGGAGGCCGGGGCCGGGAGACCTTGCCACACCCCTCTGGCACCCCTCAACCCGC	169
Db	143987	AGTGGGGGGGAGGCCGGGGCCGGGAGACCTTGCCACACCCCTCTGGCACCCCTCAACCCGC	143928
0Y	170	TGAAGCTCCGTCGACACCACTGGGCATCCCGTAAACCAACCTCATAGAGGGCTCCAGA	229
Db	143927	TGAAGCTCCGTCGACACCACTGGGCATCCCGTAAACCAACCTCATAGAGGGCTCCAGA	143868
0Y	230	AGGTGTGGGTAGCTGGGTCCCAAGCCGTGGGGGCGCTGTAAAGCCCTTAAGGCCCTGC	289

```
Db      143867 ACTGTGTGCTGAGCTGGGTCCCAAGCCGTTGGGGCCGCTGAAGCCCTGAAGCCCTGC 143808
QY      290 TGG 292
Db      143807 TGG 143805

RESULT 13
AC122714/c      190024 bp      DNA      linear      PRI 04-MAR-2003
LOCUS      Homo sapiens chromosome 5 clone RP11-451H23, complete sequence.
DEFINITION      AC122714
ACCESSION      AC122714.2 GI:28827858
VERSION      HTG
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE      1 (bases 1 to 190024)
AUTHORS      DOE Joint Genome Institute and Stanford Human Genome Center.
TITLE      Direct Submission
JOURNAL      Unpublished
2 (bases 1 to 190024)
REFERENCE      DOE Joint Genome Institute.
AUTHORS      Direct Submission
JOURNAL      Submitted (25-MAY-2002) Production Sequencing Facility, DOE Joint
Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
3 (bases 1 to 190024)
REFERENCE      DOE Joint Genome Institute and Stanford Human Genome Center.
AUTHORS      Direct Submission
JOURNAL      Submitted (04-MAR-2003) DOE Joint Genome Institute, 2800 Mitchell
Drive, Walnut Creek, CA 94598, USA
On Mar 4, 2003 this sequence version replaced gi:21206277.
COMMENT      Draft Sequence Produced by DOE Joint Genome Institute
www.jgi.doe.gov
Finishing Completed at Stanford Human Genome Center
www.shgc.stanford.edu
Quality: Phrap Quality >=40.99.8% of Sequence;
Estimated total Number of Errors is 0.9
NOTE: Shatter libraries failed to verify the dinucleotide repeat
region 124370-125308. Unsure number of repeat copies
124370-125308. Forced join 124996.
FEATURES
source
1..190024
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="5"
/clone="RP11-451H23"
124370..125308
/note="NOTE: Shatter libraries failed to verify the
dinucleotide repeat region 124370-125308. Unsure number
of repeat copies 124370-125308. Forced join 124996."
BASE COUNT      45607 a 46028 c 46121 g 52268 t
ORIGIN

Query Match      76.3%; Score 238.2; DB 9; Length 190024;
Best Local Similarity 98.8%; Pred. No. 1.7e-28;
Matches 240; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      50 CCGCTGCTCTTCTTATGAGGCTGGGCAAGCTGTGGCCAGCTGTGCGTGGGCTGG 109
Db      80316 CAGCTGCTCTTCTTATGAGGCTGGGCAAGCTGTGGCCAGCTGTGCGTGGGCTGG 80257
QY      110 ACTGGGGGGGAGAGCGGGGGGAGGACCTGTGGCAAGCCCTGCGACCTGCAACCGCG 169
Db      80256 ACTGGGGGGGAGAGCGGGGGGAGGACCTGTGGCAAGCCCTGCGACCTGCAACCGCG 80197
QY      170 TGAAGTCTCTGCTGAGACGCTGGGGCATCCCGTGAACCACTCATAGAGGGCTCCGAGA 229
Db      80196 TGAAGTCTCTGCTGAGACGCTGGGGCATCCCGTGAACCACTCATAGAGGGCTCCGAGA 80137
QY      230 AGTGTGTGCTGAGCTGGGTCCCAAGCCGTTGGGGCCGCTGAAGCCCTGAAGCCCTGC 289
```

```
Db      80136 ACTGTGTGCTGAGCTGGGTCCCAAGCCGTTGGGGCCGCTGAAGCCCTGAGCCCTGC 80077
QY      290 TGG 292
Db      80076 TGG 80074

RESULT 14
AC022095/c      127488 bp      DNA      linear      HTG 20-APR-2001
LOCUS      Homo sapiens chromosome 5 clone CIB-36B8, WORKING DRAFT SEQUENCE.
DEFINITION      AC022095
ACCESSION      AC022095.5 GI:13699618
VERSION      HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_ACTIVEFIN.
KEYWORDS      Homo sapiens (human)
SOURCE      Homo sapiens (human)
ORGANISM      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE      1 (bases 1 to 127488)
AUTHORS      DOE Joint Genome Institute.
TITLE      Sequencing of Human Chromosome 5
JOURNAL      Unpublished
2 (bases 1 to 127488)
REFERENCE      DOE Joint Genome Institute.
AUTHORS      Direct Submission
JOURNAL      Submitted (26-JAN-2000) Production Sequencing Facility, DOE Joint
Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
On Apr 20, 2001 this sequence version replaced gi:7711676.
COMMENT      -----Genome Center
Center: Joint Genome Institute
Center Code: JGI
Web site: http://www.jgi.doe.gov
-----
Project Information
Center Project Name: 78060
Center clone name: CIT978SKR_36B8
-----
Summary Statistics
Consensus quality: 110477 bases at least Q40
Consensus quality: 117231 bases at least Q30
Consensus quality: 120225 bases at least Q20
Estimated insert size: 131000; pulse field gel estimation
Estimated coverage: 7.46 in Q20 bases; pulse field gel estimation
Quality coverage: 7.76 in Q20 bases; sum-of-coverage estimation.
NOTE: This is a 'working draft' sequence. It currently
consists of 13 contigs. The true order of the pieces
is not known and their order in this sequence record is
arbitrary. Gaps between the contigs are represented as
runs of N, but the exact sizes of the gaps are unknown.
This record will be updated with the finished sequence
as soon as it is available and the accession number will
be preserved.
1
1116: contig of 1116 bp in length
1117: gap of unknown length
1217: contig of 1088 bp in length
2254: gap of 1088 bp in length
2255: gap of unknown length
2355: contig of 1058 bp in length
3413: gap of unknown length
3512: contig of 1493 bp in length
5105: gap of unknown length
5006: contig of 2542 bp in length
5106: gap of unknown length
7648: gap of unknown length
7747: gap of 2450 bp in length
7748: gap of unknown length
10238: contig of 2103 bp in length
10238: gap of unknown length
12440: contig of 2103 bp in length
12441: gap of unknown length
12541: contig of 3395 bp in length
15936: gap of unknown length
16036: contig of 8361 bp in length
24396: gap of unknown length
24397
```


GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:17:58 ; Search time 2466.41 Seconds
(with about 310 elements)

(without alignments)
9139.272 million cell updates/sec

Title: US-10-081-817A-19

Sequence: 1 cgggccgggagggcggccgggggcccccagagcccccggcc 551

Scoring table: IDENTITY_NUC

Searched: 2888711 seqs, 20454813386 residues

Total number of hits satisfying chosen parameters: 5777422

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1:	gb_ba1.*
2:	gb_hg.*
3:	gb_in.*
4:	gb_om.*
5:	gb_ov.*
6:	gb_pat.*
7:	gb_ph.*
8:	gb_pl.*
9:	gb_pr.*
10:	gb_ro.*
11:	gb_sts.*
12:	gb_sy.*
13:	gb_un.*
14:	gb_vl.*
15:	em_ba.*
16:	em_fun.*
17:	em_hum.*
18:	em_in.*
19:	em_mus.*
20:	em_om.*
21:	em_or.*
22:	em_ov.*
23:	em_pat.*
24:	em_ph.*
25:	em_pl.*
26:	em_ro.*
27:	em_sts.*
28:	em_un.*
29:	em_vl.*
30:	em_hg_bum.*
31:	em_hg_inv.*
32:	em_hg_other.*
33:	em_hg_mus.*
34:	em_hg_pln.*
35:	em_hg_pod.*
36:	em_hg_rnam.*
37:	em_hg_vrl.*
38:	em_sy.*
39:	em_hgo_hum.*
40:	em_hgo_mus.*
41:	em_hgo.*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result	Score	Query	Length	ID	Description
No.			DB		
1	488.6	88.7	127488	2	AC0202095
2	486	88.2	168347	2	AC0255336
3	486	88.2	190024	2	AC1227714
4	478.8	86.9	130129	2	AC1080883
5	475	86.2	166777	2	AC1068133
6	120	21.8	562	6	BD0821341
7	117	21.2	190	6	BD0821337
8	78	14.2	519	6	BD0821342
9	78	14.2	569	6	AR2526408
10	78	14.2	570	6	AR2526428
11	78	14.2	570	6	BD0821338
12	77	14.0	244	6	AF4293135
13	74	13.4	125020	2	AF0057722
14	71	12.9	172650	11	PM2H122
15	68.2	12.4	1279	11	PM2H122
16	66.8	12.1	219952	2	AC0848804
17	64.8	11.8	63082	2	AC0226633
18	64.4	11.7	991	11	PM12H112B
19	63.2	11.5	1007	11	PM3H11G
20	63.2	11.5	167624	2	AC1433886
21	62.2	11.3	63082	2	AC0022633
22	61.8	11.2	1052	11	PM2H12B
23	61.8	11.2	101509	2	AC0272753
24	61.8	11.2	187413	2	AC141871
25	61.6	11.2	1965	10	AF411253
26	61.6	11.2	65351	2	AC139773
27	61.6	11.2	125020	2	AF429313
28	61.6	11.2	125020	2	AC136100
29	61.6	11.2	167077	2	AC091093
30	61.4	11.2	72645	2	AC112672
31	60.8	11.0	211318	2	AC141419
32	60.4	11.0	159980	2	AP005743
33	59.6	10.8	1065	11	PM2H12B
34	59.4	10.8	240957	7	AC011407
35	59	10.7	1094	11	PM7G11B
36	58.8	10.7	869	11	PM2A12B
37	58.8	10.7	85434	2	AC066610
38	58.8	10.7	224777	2	AC138109
39	58.6	10.6	2685	9	HDHMBH3
40	58.6	10.6	43058	6	AX332810
41	58.6	10.6	43058	6	AX333947
42	58.6	10.6	43058	6	AX411306
43	58.6	10.6	43058	6	HSGG1
44	58.6	10.6	200557	9	AC134836
45	58.6	10.6	258002	9	AE006462
					AC0202095 Homo sapi
					AC0255336 Homo sapi
					AC1227714 Homo sapi
					AC1080883 Homo sapi
					AC1068133 Homo sapi
					BD0821341 Reagents
					BD0821337 Reagents
					BD0821342 Reagents
					AR2526408 Sequence
					AR2526428 Sequence
					BD0821338 Reagents
					AF4293135 Sequence
					AF0057722 Homo sapi
					AP0057722 Oryza sat
					AF4293135 Homo sapi
					PM2H122 Homo sapi
					AC0848804 Mus muscu
					AC0226633 Homo sapi
					PM12H112B Homo sapi
					PM3H11G Homo sapi
					AC1433886 Macaca mu
					AC0022633 Homo sapi
					PM2H12B Homo sapi
					AC0272753 Homo sapi
					AC141871 Mus muscu
					AF411253 Mus muscu
					AC139773 Homo sapi
					AF429313 Homo sapi
					AC136100 Rattus no
					AC091093 Papio anu
					AC112672 Mus muscu
					AC141419 Pan trogl
					AP005743 Oryza sat
					PM2H12B Penicilliu
					AC011407 Homo sapi
					AF429313 Homo sapi
					AC066610 Homo sapi
					AC138109 Mus muscu
					AC0202095 Homo sapi
					AC0255336 Homo sapi
					AC1227714 Homo sapi
					AC1080883 Homo sapi
					AC1068133 Homo sapi
					BD0821341 Reagents
					BD0821337 Reagents
					BD0821342 Reagents
					AR2526408 Sequence
					AR2526428 Sequence
					BD0821338 Reagents
					AF4293135 Sequence
					AF0057722 Homo sapi
					AP0057722 Oryza sat
					AF4293135 Homo sapi
					PM2H122 Homo sapi
					AC0848804 Mus muscu
					AC0226633 Homo sapi
					PM12H112B Homo sapi
					PM3H11G Homo sapi
					AC1433886 Macaca mu
					AC0022633 Homo sapi
					PM2H12B Homo sapi
					AC0272753 Homo sapi
					AC141871 Mus muscu
					AF411253 Mus muscu
					AC139773 Homo sapi
					AF429313 Homo sapi
					AC136100 Rattus no
					AC091093 Papio anu
					AC112672 Mus muscu
					AC141419 Pan trogl
					AP005743 Oryza sat
					PM2H12B Penicilliu
					AC011407 Homo sapi
					AF429313 Homo sapi
					AC066610 Homo sapi
					AC138109 Mus muscu
					AC0202095 Homo sapi
					AC0255336 Homo sapi
					AC1227714 Homo sapi
					AC1080883 Homo sapi
					AC1068133 Homo sapi
					BD0821341 Reagents
					BD0821337 Reagents
					BD0821342 Reagents
					AR2526408 Sequence
					AR2526428 Sequence
					BD0821338 Reagents
					AF4293135 Sequence
					AF0057722 Homo sapi
					AP0057722 Oryza sat
					AF4293135 Homo sapi
					PM2H122 Homo sapi
					AC0848804 Mus muscu
					AC0226633 Homo sapi
					PM12H112B Homo sapi
					PM3H11G Homo sapi
					AC1433886 Macaca mu
					AC0022633 Homo sapi
					PM2H12B Homo sapi
					AC0272753 Homo sapi
					AC141871 Mus muscu
					AF411253 Mus muscu
					AC139773 Homo sapi
					AF429313 Homo sapi
					AC136100 Rattus no
					AC091093 Papio anu
					AC112672 Mus muscu
					AC141419 Pan trogl
					AP005743 Oryza sat
					PM2H12B Penicilliu
					AC011407 Homo sapi
					AF429313 Homo sapi
					AC066610 Homo sapi
					AC138109 Mus muscu
					AC0202095 Homo sapi
					AC0255336 Homo sapi
					AC1227714 Homo sapi
					AC1080883 Homo sapi
					AC1068133 Homo sapi
					BD0821341 Reagents
					BD0821337 Reagents
					BD0821342 Reagents
					AR2526408 Sequence
					AR2526428 Sequence
					BD0821338 Reagents
					AF4293135 Sequence
					AF0057722 Homo sapi
					AP0057722 Oryza sat
					AF4293135 Homo sapi
					PM2H122 Homo sapi
					AC0848804 Mus muscu
					AC0226633 Homo sapi
					PM12H112B Homo sapi
					PM3H11G Homo sapi
					AC1433886 Macaca mu
					AC0022633 Homo sapi
					PM2H12B Homo sapi
					AC0272753 Homo sapi
					AC141871 Mus muscu
					AF411253 Mus muscu
					AC139773 Homo sapi
					AF429313 Homo sapi
					AC136100 Rattus no
					AC091093 Papio anu
					AC112672 Mus muscu
					AC141419 Pan trogl
					AP005743 Oryza sat
					PM2H12B Penicilliu
					AC011407 Homo sapi
					AF429313 Homo sapi
					AC066610 Homo sapi
					AC138109 Mus muscu
					AC0202095 Homo sapi
					AC0255336 Homo sapi
					AC1227714 Homo sapi
					AC1080883 Homo sapi
					AC1068133 Homo sapi
					BD0821341 Reagents
					BD0821337 Reagents
					BD0821342 Reagents
					AR2526408 Sequence
					AR2526428 Sequence
					BD0821338 Reagents
					AF4293135 Sequence
					AF0057722 Homo sapi
					AP0057722 Oryza sat
					AF4293135 Homo sapi
					PM2H122 Homo sapi
					AC0848804 Mus muscu
					AC0226633 Homo sapi
					PM12H112B Homo sapi
					PM3H11G Homo sapi
					AC1433886 Macaca mu
					AC0022633 Homo sapi
					PM2H12B Homo sapi
					AC0272753 Homo sapi
					AC141871 Mus muscu
					AF411253 Mus muscu
					AC139773 Homo sapi
					AF429313 Homo sapi
					AC136100 Rattus no
					AC091093 Papio anu
					AC112672 Mus muscu
					AC141419 Pan trogl
					AP005743 Oryza sat
					PM2H12B Penicilliu
					AC011407 Homo sapi
					AF429313 Homo sapi
					AC066610 Homo sapi
					AC138109 Mus muscu
					AC0202095 Homo sapi
					AC0255336 Homo sapi
					AC1227714 Homo sapi
					AC1080883 Homo sapi
					AC1068133 Homo sapi
					BD0821341 Reagents
					BD0821337 Reagents
					BD0821342 Reagents
					AR2526408 Sequence
					AR2526428 Sequence
					BD0821338 Reagents
					AF4293135 Sequence
					AF0057722 Homo sapi
					AP0057722 Oryza sat
					AF4293135 Homo sapi
					PM2H122 Homo sapi
					AC0848804 Mus muscu
					AC0226633 Homo sapi
					PM12H112B Homo sapi
					PM3H11G Homo sapi
					AC1433886 Macaca mu
					AC0022633 Homo sapi
					PM2H12B Homo sapi
					AC0272753 Homo sapi
					AC141871 Mus muscu
					AF411253 Mus muscu
					AC139773 Homo sapi
					AF429313 Homo sapi
					AC136100 Rattus no
					AC091093 Papio anu
					AC112672 Mus muscu
					AC141419 Pan trogl
					AP005743 Oryza sat
					PM2H12B Penicilliu
					AC011407 Homo sapi
					AF429313 Homo sapi
					AC066610 Homo sapi
					AC138109 Mus muscu
					AC0202095 Homo sapi
					AC0255336 Homo sapi
					AC1227714 Homo sapi
					AC1080883 Homo sapi
					AC1068133 Homo sapi
					BD0821341 Reagents
					BD0821337 Reagents
					BD0821342 Reagents
					AR2526408 Sequence
					AR2526428 Sequence
					BD0821338 Reagents
					AF4293135 Sequence
					AF0057722 Homo sapi
					AP0057722 Oryza sat
					AF4293135 Homo sapi
					PM2H122 Homo sapi
					AC0848804 Mus muscu
					AC0226633 Homo sapi
					PM12H112B Homo sapi
					PM3H11G Homo sapi
					AC1433886 Macaca mu
					AC0022633 Homo sapi
					PM2H12B Homo sapi

ALIGNMENTS

RESULT 1	
AC022095/c	
LOCUS	127488 bp DNA linear HTG 20-APR-2001
DEFINITION	Homo sapiens chromosome 5 clone CTB-36B8, WORKING DRAFT SEQUENCE, 13 unordered pieces.
ACCESSION	AC022095
VERSION	AC022095.5 GI:13699618
KEYWORDS	HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_ACTIVEFIN.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo. 1 (bases 1 to 127488) DOE Joint Genome Institute. Sequencing of Human Chromosome 5
AUTHORS	
TITLE	

JOURNAL	Unpublished
REFERENCE	2 (bases 1 to 127488)
AUTHORS	DOE Joint Genome Institute.
TITLE	Direct Submision
JOURNAL	Submitted (26-JAN-2000) Production Sequencing Facility, DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
COMMENT	On Apr 20, 2001 this sequence version replaced gi:77111676.

Web site: <http://www.jgi.doe.gov>

```
Project Information
Center Project Name: 78060
Center clone name: CIT978SKB_36B8
-----
```

```

Summary Statistics
Consensus quality: 110477 bases at least Q40
Consensus quality: 117221 bases at least Q30
Consensus quality: 120225 bases at least Q20
Estimated insert size: 131000; pulse field gel estimation
Estimated insert size: 126286; sum-of-contigs estimation
Quality coverage: 7.48 in Q20 bases; pulse field gel estimation
Quality coverage: 7.76 in Q40 bases; sum-of-contigs estimation.
NOTE: This is a 'working draft' sequence. It currently
* consists of 13 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.

```

1	1116:	contig of 1116 bp in length
1117	1216:	gap of unknown length
1217	1225:	contig of 1038 bp in length
1255	1235:	gap of unknown length
1313	1412:	contig of 1058 bp in length
1315	1351:	gap of unknown length
1353	1505:	contig of 1493 bp in length
1505	1510:	gap of unknown length
5006	7647:	contig of 2542 bp in length
5106	7747:	gap of unknown length
7548	7748:	contig of 2490 bp in length
7748	10237:	gap of unknown length
10238	10337:	gap of unknown length
10338	12440:	contig of 2103 bp in length
12440	12540:	gap of unknown length
12541	15933:	contig of 3395 bp in length
15933	16033:	gap of unknown length
16036	24396:	contig of 8361 bp in length
24397	24496:	gap of unknown length
24497	39085:	contig of 14589 bp in length
39086	39185:	gap of unknown length
39186	60255:	gap of unknown length
60246	60845:	gap of unknown length
60846	79590:	contig of 18845 bp in length
79591	127488:	gap of unknown length
127489	137898:	contig of 47898 bp in length

```

FEATURES
  source      Location/Qualifiers
1..127488    /organism="Homo sapiens"
              /mol_type="genomic DNA"
              /db_xref="taxon:9606"
              /chromosome="5"
              /clone="CTB-36B8"
              /clone_11b="Caltech human BAC library B"
              /clone_11c="3392 c 31616 g 30626 t 1211 others"
BASE COUNT   31643 a
ORIGIN

```

Query Match	88.7%	Score 488.6	DB 2	Length 127/488
Best Local Similarity	95.8%	Pred. No. 1	4e-72	
Matches 529	Conservative 0	Mismatches 5	Indels 18	Gaps 2

Db	84291	CGGCGGGGAGGCGGCGGGAGTGAAGGCTGATCTGTCCCTGGGGGCTCCACCTCCCCACAG	842325
QY	61	CGCAGAAGGGGCGCCACAGAGAGCCCGCAGTCCCGAGCTTTCGCCAGGTTCGGGATTCAGAG	120
Db	84231	CGCAGAAGGGGCGCCACAGAGAGCCCGCAGTCCCGAGCTTTCGCCAGGTTCGGGATTCAGAG	84172
QY	121	CAGGAGACAGAGAGACCAAGAGACTGGCGCGCCCGCCGCTGCCTGCGTGGCGCAGAGGAAGCT	180
Db	84171	CAGGAGACAGAGAGACCAAGAGACTGGCGCGCCCGCCGCTGCCTGCGTGGCGCAGAGGAAGCT	841121
QY	181	CCTCACCAGAGGAGAAAGCTCCCTCAACCGGCGCCAGCCTGCCAGGGGGGGCGGTGGGTC	240
Db	84111	CCCCCTCAC-----CGGGGCCAACCTCGCAGGGGGGCGGTGGGTC	840689
QY	241	AGACCGCAAGCGAAGGTGCGGGCGCGGGGTGGGCTTCGCGAGACAAAGGCCGCGGCTTCG	300
Db	84068	AGACCGCAAGCGAAGGTGCGGGCGCGGGGTGGGCTTCGCGAGACAAAGGCCGCGGCTTCG	840099
QY	301	CT-CTCTCAAGGGGCCCCAGACGCTCTCCAAAGAGAAATCCTGAGGCCCGGCGAGGGAAG	359
Db	84008	CTGCTCTCAAGGGGCCCCAGACGCTCTCCAAAGAGAAATCCTGAGGCCCGGCGAGGGAAG	839449
QY	360	GGGGCAAGGGCTTCCAGGGAGCCCGCGGCGCGCAGCAAGAAATTTGGCCAGGGCAAGGCCCT	419
Db	83948	GGGGCAAGGGCTTCCAGGGAGCCCGCGGCGCGCAGCAAGAAATTTGGCCAGGGCAAGGCCCT	838899
QY	420	GAGCGAGCGGGAGAGGGCTTTCAGAGAGCGCGGGGAGAGCCCGGCTGTGAAGAGGGGAGAG	479
Db	83888	GAGCGAGCGGGAGAGGGCTTTCAGAGAGCGCGGGGAGAGCCCGGCTGTGAAGAGGGGAGAG	838299
QY	480	ACCGGGATTAAGAAAGCTGTGGGCTTTCGCGGGGAGACCGCAGAGTTCGCCGCGGCGCCG	539
Db	83828	ACCGGGATTAAGAAAGCTGTGGGCTTTCGCGGGGAGACCGCAGAGTTCGCCGCGGCGCCG	837659
QY	540	AGCCCCCGCGCC 551	
Db	83768	AGCCCCCGCGCC 83757	

RESULT 2	LOCUS	DEFINITION	ACCESSION	VERSION	KEYWORDS	SOURCE	ORGANISM	REFERENCE	ATTN	JOURNAL	REFERENCE	AUTHORS
AC025336/c	AC025336	Homo sapiens chromosome 5 clone RPL1-45IH23 map 5, WORKING DRAFT	AC025336	AC025336.2	GI:7328761	HTG: HTGS_PHASE1; HTGS_DRAFT.	Homo sapiens (human)	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	1 (bases 1 to 168347)	Birren, B., Linton, L., Nusbaum, C., and Lander, E.	1 (bases 1 to 168347)	Birren, B., Linton, L., Nusbaum, C., Lander, E., Abraham, H., Allen, N.,

Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Euteleostomi: Mammalia: Eutheria: Primates: Catarrhini, Homidae: Homo.
1 (bases 1 to 168347)
Barron, B., Linton, L., Nusbaum, C. and Lander, E.
Homo sapiens chromosome 5, clone RP11-451H23
unpublished
2 (bases 1 to 168347)
Barron, B., Linton, L., Nusbaum, C., Lander, E., Abraham, H., Allen, N.,
Anderson, S., Baldwin, J., Barna, N., Bastien, V., Beda, F.,
Boguski, S., Bork, P., Bouguellet, B., Brown, A., Burgett, G.,
Campbell, A., Castle, A., Chappel, Y., Colangelo, M., Collins, S.,
Collymore, A., Cooke, P., D'Amelio, R., Dewar, K., DiZack, J. S.,
Dodgson, S., Domino, M., Doyle, M., Ferreira, P., Fitzhugh, N., Gage, D.,
Gilligan, J., Girdyna, S., Ginde, S., Goyette, M., Graham, L.,
Grand-Pierre, L., Grati, G., Hagos, B., Heled, D., Holt, L.,
Howland, J. C., Iliev, I., Jamnates, R., Jones, C., Kam, L., Karatas, A.,
Klein, J., Lacombe, K., Lamont, R., Landers, J., Lebeck, J.,
Levine, R., Li, G., Liu, G., Locke, K., Macdonald, P., Marquis, N.,
McCarthy, M., McEwan, P., McGuire, A., McKenna, K., McPherson, R.,
Meidinger, T., Meneses, L., Mishova, T., Miranda, C., Minge, Y., Morrow, J.,
Murphy, J., Naylor, J., Norman, C. H., O'Connor, T., O'Donnell, P.,
O'Neill, D., Ollata, T. M., Oliver, J., Peterson, K., Pierre, N.,
Pisani, C., Pollara, V., Raymond, C., Riley, R., Rogov, P., Rothman, D.,

TITLE
 JOURNAL
 COMMENT
 Roy, A., Santos, R., Schauer, S., Severy, P., Spencer, B.,
 Stange-Thomann, N., Stojanovic, N., Subramanian, A., Talamas, J.,
 Testa, S., Theodore, D., Turrel, A., Travers, M., Triggillo, J.,
 Vassiliev, H., Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W. J.,
 Young, G., Zainoun, J., Zimmer, A. and Zody, M.
 Direct Submission
 Submitted (08-MAR-2000) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
 On Mar 25, 2000 this sequence version replaced gi:7210017.
 All repeats were identified using RepeatMasker:
 Smit, A.F.A. & Green, P. (1996-1997)
 http://ftp.genome.washington.edu/RM/RepeatMasker.html
 Center: Genome Center
 Center: Whitehead Institute/ MIT Center for Genome Research
 Center code: MIBR
 Web site: http://www-seq.wi.mit.edu
 Contact: sequence.submissions@genome.wi.mit.edu
 Project Information
 Center project name: 451.H.23
 Center clone name: 451.H.23

-----Summary Statistics-----
 Sequencing Vector: M13: M77815: 100% of reads
 Chemistry: Dye-terminator Big Dye: 100% of reads
 Assembly Program: Phrap: version 0.960731
 Assembly quality: 150422 bases at least Q40
 Consensus quality: 159524 bases at least Q30
 Consensus quality: 163013 bases at least Q20
 Insert size: 165247, sum-of-contigs
 Quality coverage: 3.6 in Q20 bases; sum-of-contigs

* NOTE: This is a 'working draft' sequence. It currently
 * consists of 32 contigs. The true order of the pieces is
 * is not known and their order in this sequence record is
 * arbitrary. Gaps between the contigs are represented as
 * runs of N, but the exact sizes of the gaps are unknown.
 * This record will be updated with the finished sequence.
 * as soon as it is available and the accession number will
 * be preserved.

1 1389: contig of 1389 bp in length
 * 1390 1489: gap of 100 bp
 * 1490 3130: contig of 1641 bp in length
 * 3131 3230: gap of 100 bp
 * 3231 4942: contig of 1712 bp in length
 * 4943 5042: gap of 100 bp
 * 5043 6981: contig of 1939 bp in length
 * 6982 7081: gap of 100 bp
 * 7082 8708: contig of 1627 bp in length
 * 8709 8808: gap of 100 bp
 * 8809 10286: contig of 1478 bp in length
 * 10287 10386: gap of 100 bp
 * 10387 12212: contig of 1826 bp in length
 * 12213 12312: gap of 100 bp
 * 12313 14658: contig of 2346 bp in length
 * 14659 14758: gap of 100 bp
 * 14759 17941: contig of 3183 bp in length
 * 17942 18041: gap of 100 bp
 * 18042 21297: contig of 3256 bp in length
 * 21298 21397: gap of 100 bp
 * 21398 21992: contig of 3595 bp in length
 * 21993 25093: gap of 100 bp
 * 25093 27668: contig of 2676 bp in length
 * 27669 27868: gap of 100 bp
 * 27869 31188: contig of 3320 bp in length
 * 31189 31288: gap of 100 bp
 * 31289 33714: contig of 2426 bp in length
 * 33715 33814: gap of 100 bp
 * 33815 37277: contig of 3463 bp in length
 * 37278 37377: gap of 100 bp
 * 37378 42302: contig of 4925 bp in length
 * 42303 42402: gap of 100 bp
 * 42403 47816: contig of 5414 bp in length
 * 47817 47916: gap of 100 bp
 * 47917 52586: contig of 4670 bp in length

FEATURES

source
 * 52587 52686: gap of 100 bp
 * 52687 56567: contig of 3881 bp in length
 * 56568 56667: gap of 100 bp
 * 56668 61557: contig of 4890 bp in length
 * 61558 61657: gap of 100 bp
 * 61658 66724: contig of 5067 bp in length
 * 66725 66824: gap of 100 bp
 * 66825 71568: contig of 4744 bp in length
 * 71569 71658: gap of 100 bp
 * 71659 76578: contig of 4910 bp in length
 * 76579 76678: gap of 100 bp
 * 76679 83412: contig of 6634 bp in length
 * 83413 83413: gap of 100 bp
 * 83413 90053: contig of 6641 bp in length
 * 90054 90154: gap of 100 bp
 * 90154 99426: contig of 9273 bp in length
 * 99427 99526: gap of 100 bp
 * 99527 108015: contig of 8489 bp in length
 * 108016 108115: gap of 100 bp
 * 108116 108116: contig of 10029 bp in length
 * 118115 118144: gap of 100 bp
 * 118145 118245: gap of 100 bp
 * 130569 130568: gap of 100 bp
 * 130569 142238: contig of 11671 bp in length
 * 142240 142339: gap of 100 bp
 * 142340 157135: contig of 14796 bp in length
 * 157136 157136: gap of 100 bp
 * 157236 168347: contig of 11112 bp in length.
 Location/Qualifiers
 1. 168347
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 /chromosome="5"
 /map="5"
 /clone="RP11-451H23"
 /clone_11b="RPC1-11 Human Male BAC"
 1. 1389
 /note="assembly-fragment"
 1490. 3130
 /note="assembly-fragment"
 3231. 4942
 /note="assembly-fragment"
 5043. 6981
 /note="assembly-fragment"
 7082. 8708
 /note="assembly-fragment"
 8809. 10286
 /note="assembly-fragment"
 10387. 12212
 /note="assembly-fragment"
 12313. 14658
 /note="assembly-fragment"
 14759. 17941
 /note="assembly-fragment"
 18042. 21297
 /note="assembly-fragment"
 21398. 24992
 /note="assembly-fragment"
 25093. 27768
 /note="assembly-fragment"
 27869. 31188
 /note="assembly-fragment"
 31289. 33714
 /note="assembly-fragment"
 33815. 37277
 /note="assembly-fragment"
 37378. 42302
 /note="assembly-fragment"
 42403. 47816
 /note="assembly-fragment"
 47917. 52586
 /note="assembly-fragment"

```

misc_feature 52687..56567
                /note="assembly-fragment"
misc_feature 56568..61557
                /note="assembly-fragment"
misc_feature 61558..66724
                /note="assembly-fragment"
misc_feature 66825..71568
                /note="assembly-fragment"
misc_feature 71669..76578
                /note="assembly-fragment"
misc_feature 76679..83312
                /note="assembly-fragment"
misc_feature 83413..90053
                /note="assembly-fragment"
misc_feature 90154..99426
                /note="assembly-fragment"
misc_feature 99527..108015
                /note="assembly-fragment"
misc_feature 108116..118144
                /note="assembly-fragment"
misc_feature 118245..130468
                /note="assembly-fragment"
misc_feature 130369..142239
                /note="assembly-fragment"

```

Query Match Best Local Similarity 95.7%; Score 486; DB 2; Length 168347;

Matches 528; Conservative 0; Mismatches 5; Indels 19; Gaps 2;

```

OY 1 CGGCGGGGAGGCGGCGGCGGAGTGTGAGGCTGATGCTGCTGCGGCTCCACCTCCCGAG 60
DB 145202 CGGCGGGGAGGCGGCGGCGGAGTGTGAGGCTGATGCTGCTGCGGCTCCACCTCCCGAG 145143
OY 61 CGCAGAAAGCGCCACGAGAGACCCCACTGCGCCGCGCTTGCGACAGGTGTGGATCAGAG 120
DB 145142 CCCAGAAAGCGCCACGAGAGACCCCACTGCGCCGCGCTTGCGACAGGTGTGGATCAGAG 145083
OY 121 CAGGAGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 180
DB 145082 CAGGAGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 145023
OY 181 CCCTCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240
DB 145022 C-----CCCTCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 144981
OY 241 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
DB 144980 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 144921
OY 301 CT-CTCTCAGAGGCGGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 359
DB 144920 CTGCTCTCAGAGGCGGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 144861
OY 360 GGGGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 419
DB 144860 GGGGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 144801
OY 420 GAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 479
DB 144800 GAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 144741
OY 480 ACCGCGATATAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 539
DB 144740 ACCGCGATATAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 144681
OY 540 AGCCCGCGCGCC 551
DB 144680 AGCCCGCGCGCC 144669

```

```

ACCESSION AC122714
VERSION AC122714.2
KEYWORDS GI:28827858
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 190024)
AUTHORS DOE Joint Genome Institute and Stanford Human Genome Center.
TITLE Direct Submission
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 190024)
AUTHORS DOE Joint Genome Institute.
TITLE Direct Submission
JOURNAL Direct Submission
REFERENCE 3 (bases 1 to 190024)
AUTHORS Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
TITLE DOE Joint Genome Institute and Stanford Human Genome Center.
JOURNAL Submitted (04-MAR-2003) DOE Joint Genome Institute, 2800 Mitchell
Drive, Walnut Creek, CA 94598, USA
COMMENT On Mar 4, 2003 this sequence version replaced gi:21206277.
Draft Sequence Produced by DOE Joint Genome Institute
www.jgi.doe.gov
Finishing Completed at Stanford Human Genome Center
www.sngc.stanford.edu
Quality: Phrap Quality >=40 99.8% of Sequence;
Estimated Total Number of Errors is 0.9.
NOTE: Shatter Libraries failed to verify the dinucleotide repeat
region 124370-125308. Unsure number of repeat copies
124370-125308. Forced join 124996.
Location/Qualifiers
1..190024
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="5"
/clone="RP11-451H23"
124370..125308
/note="NOTE: Shatter Libraries failed to verify the
dinucleotide repeat region 124370-125308. Unsure number
of repeat copies 124370-125308. Forced join 124996."
BASE COUNT 45607 a 46028 c 46121 g 52268 t
ORIGIN
Query Match 88.2%; Score 486; DB 9; Length 190024;
Best Local Similarity 95.7%; Pred. No. 3.4e-72;
Matches 528; Conservative 0; Mismatches 5; Indels 19; Gaps 2;
OY 1 CGGCGGGGAGGCGGCGGCGGAGTGTGAGGCTGATGCTGCTGCGGCTCCACCTCCCGAG 60
DB 81471 CGGCGGGGAGGCGGCGGCGGAGTGTGAGGCTGATGCTGCTGCGGCTCCACCTCCCGAG 81412
OY 61 CGCAGAAAGCGCCACGAGAGACCCCACTGCGCCGCGAGTGTGCGACAGGTGTGGATCAGAG 120
DB 81411 CGCAGAAAGCGCCACGAGAGACCCCACTGCGCCGCGAGTGTGCGACAGGTGTGGATCAGAG 81352
OY 121 CAGGAGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
DB 81351 CAGGAGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 81292
OY 181 CCCTCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 240
DB 81291 C-----CCCTCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 81250
OY 241 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
DB 81249 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 81190
OY 301 CT-CTCTCAGAGGCGGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 359
DB 81189 CTGCTCTCAGAGGCGGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 81130

```

```

OY      360 GGGGACAGGGCTTTCCAGAGGCGCGCGGCGAGAGTGGCCAGGGCGGCGT 419
Db      81129 GGGGCGACGGGCTTCCAGAGGCGCGCGGCGAGAGTGGCCAGGGCGGCGT 81070
OY      420 GAGCGAGAGGCGGCGGCTTTCTCAAGAGCGCGGCGAGGCGCGCTGGAGGGCGAGG 479
Db      81069 GAGCGAGAGGCGGCGGCTTTCTCAAGAGCGCGGCGAGGCGCGCTGGAGGGCGAGG 81010
OY      480 ACCGGGTATAGAGAGCTCTGTGGCGCTTGGCGGAGCGCGAGTGTCCCGCGCGCCG 539
Db      81009 ACCGGGTATAGAGAGCTCTGTGGCGCTTGGCGGAGCGCGAGTGTCCCGCGCGCCG 80950
OY      540 AGCGCGCGCGCG 551
Db      80949 AGCGCGCGCGCG 80938

RESULT 4
AC108083/c 130129 bp DNA linear HTG 25-JAN-2002
LOCUS      Homo sapiens chromosome 5 clone CTD-2013L15, WORKING DRAFT
DEFINITION
ACCESSION  AC108083.1 GI:18369929
KEYWORDS   HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_ACTIVEFIN.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS     Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE       1 (bases 1 to 130129)
JOURNAL     DOE Joint Genome Institute.
AUTHORS     Sequencing of Human Chromosome 5
REFERENCE   2 (bases 1 to 130129)
JOURNAL     Unpublished
AUTHORS     DOE Joint Genome Institute.
TITLE       Direct Submission
AUTHORS     Submitted (25-JAN-2002) Production Sequencing Facility, DOE Joint
JOURNAL     Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
COMMENT     -----Genome Center
Center: Joint Genome Institute
Center Code: JGI
Web site: http://www.jgi.doe.gov
-----
Project Information
Center Project Name: 632820
Center clone name: CITB-H1_2013L15
-----
Summary Statistics
Consensus quality: 124488 bases at least Q40
Consensus quality: 128031 bases at least Q30
Consensus quality: 128842 bases at least Q20
Estimated insert size: 135000; agarose-fp estimation
Estimated insert size: 129829; sum-of-contigs estimation
Quality coverage: 7.66 in Q20 bases; agarose-fp estimation
Quality coverage: 7.97 in Q20 bases; sum-of-contigs estimation.
NOTE: This is a 'working draft' sequence. It currently
* consists of 4 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.
1 4320: contig of 4320 bp in length
4321 4420: gap of unknown length
4421 4520: contig of 19292 bp in length
23713 23812: gap of unknown length
23813 48602: contig of 24790 bp in length
48603 48702: gap of unknown length
48703 130129: contig of 81427 bp in length.
Location/Qualifiers
1. 130129
/organism="Homo sapiens"

BASE COUNT  35337 a 32397 c 30949 g 31146 t 300 others
ORIGIN
Query Match      86.9%; Score 478.8; DB 2; Length 130129;
Best Local Similarity 95.3%; Pred. No. 6.1e-71; Indels 19; Gaps 2;
Matches 522; Conservative 0; Mismatches 7;

/mdl_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="5"
/clone="CTD-2013L15"
/clone_lib="Caltech human BAC library D"
/clone_lib="Caltech human BAC library D"

OY      1 CGGCGGGGAGAGGCGCGCGGAGTGAAGCCGATGCTGCTGCGGCGCTCCACCTCCCGAG 60
Db      24569 CGGCGGGGAGAGGCGCGCGGAGTGAAGCCGATGCTGCTGCGGCGCTCCACCTCCCGAG 24510
OY      61 CGGAGAGAGGCGCGCGGAGAGGCGCGGAGTGAAGCCGATGCTGCTGCGGCGCTCCACCTCCCGAG 120
Db      24509 CGGAGAGAGGCGCGCGGAGAGGCGCGGAGTGAAGCCGATGCTGCTGCGGCGCTCCACCTCCCGAG 24450
OY      121 CAGGAGACAGGAGACCGAGAGAGTGGCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180
Db      24449 CAGGAGACAGGAGACCGAGAGAGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 24390
OY      181 CCTTACCGAGAGAGTCCCTCCACCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
Db      24389 C-----CCCTTACCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 24348
OY      241 AGACCGCAAGCGAGAGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
Db      24347 AGACCGCAAGCGAGAGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 24288
OY      301 CT-CTCTAGAGAGGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 359
Db      24287 CTGCTCTAGAGAGGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 24228
OY      360 GGGGACAGGGCTTTCCAGAGGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGT 419
Db      24227 GGGGACAGGGCTTTCCAGAGGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGT 24168
OY      420 GAGCGAGAGGCGGCGGCTTTCTCAAGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 479
Db      24167 GAGCGAGAGGCGGCGGCTTTCTCAAGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 24108
OY      480 ACCGGGTATAGAGAGCTCTGTGGCGCTTGGCGGAGCGCGAGTGTCCCGCGCGCGCGCG 539
Db      24107 ACCGGGTATAGAGAGCTCTGTGGCGCTTGGCGGAGCGCGAGTGTCCCGCGCGCGCGCG 24048
OY      540 AGCGCGCGCG 547
Db      24047 AGCGCGCGCG 24040

RESULT 5
AC106813 166777 bp DNA linear HTG 07-MAR-2002
LOCUS      Homo sapiens chromosome 5 clone RP11-586L9, WORKING DRAFT SEQUENCE,
DEFINITION
ACCESSION  AC106813.3 GI:19224876
KEYWORDS   HTG; HTGS_PHASE2; HTGS_DRAFT; HTGS_ACTIVEFIN.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS     Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE       1 (bases 1 to 166777)
JOURNAL     DOE Joint Genome Institute.
AUTHORS     Sequencing of Human Chromosome 5
REFERENCE   2 (bases 1 to 166777)
JOURNAL     Unpublished
AUTHORS     DOE Joint Genome Institute.
TITLE       Direct Submission
JOURNAL     Submitted (12-JAN-2002) Production Sequencing Facility, DOE Joint

```

REFERENCE 3 (bases 1 to 166777)
 AUTHORS DOE Joint Genome Institute.
 TITLE Direct Submission
 JOURNAL Submitted (07-MAR-2002) Production Sequencing Facility, DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
 COMMENT On Mar 7, 2002 this sequence version replaced gi:118309924.
 FILE: 0990924001.fna

```

-----
Project Information
Center Project Name: 1519801
Center clone name: RPCR-11_586L9
-----
Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
3 (bases 1 to 166777)
DOE Joint Genome Institute.
Direct Submission
Submitted (07-MAR-2002) Production Sequencing Facility, DOE Joint
Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
On Mar 7, 2002 this sequence version replaced g118369924.
-----
Genome Center
Center: Joint Genome Institute
Center Code: JGI
Web site: http://www.jgi.doe.gov
-----

```

```

Summary Statistics
Consensus quality: 163497 bases at least Q40
Consensus quality: 166071 bases at least Q30
Consensus quality: 166432 bases at least Q20
Estimated insert size: 186250; agarose-rf estimation
Estimated insert size: 166577; sum-of-contigs estimation
Quality coverage: 9.4 in Q20 bases; agarose-rf estimation
Quality coverage: 10.51 in Q20 bases; sum-of-contigs estimation

NOTE: This is a 'working draft' sequence. It currently
consists of 3 contigs. Gaps between the contigs
are represented as runs of N. The order of the pieces
is believed to be correct as given, however the sizes
of the gaps between them are based on estimates that have
been provided by the submittor.

This sequence will be replaced
by the finished sequence as soon as it is available and
the accession number will be preserved.

1 | 62237: contlig of 62237 bp in length
62238 | 62337: gap of unknown length
75838 | 75837: contlig of 13500 bp in length
75938 | 166777: gap of unknown length
75938 | 166777: contlig of 90840 bp in length.

```

```

SOURCE
1. .166777
   /organism="Homo sapiens"
   /mol_type="genomic DNA"
   /db_xref="taxon:9606"
   /chromosome="5"
   /clone="RP11-586L9"
   /clone_lib="RPC1 human BAC library 11"
BASE COUNT 44627 a 39804 c 41258 g 40888 t 200 others
ORIGIN
1

```

Query Match	Best Local Similarity	95.5%;	Score 475;	DB 2;	Length 166777;
Matches 528;	Conservative	0;	Mismatches 5;	Indels 20;	Gaps 3;
QY	1	CGGCCGGGAGGCGCGCCGGAGTGAAGCCGTGATCTCCCTGGACGGCTCCACCTCCCAAG	60		
Db	119104	CGCCCGGGAGCGCGCCGGAGTGAAGCTGTATCTGTCCTCGGCGCTCCACCTCCCAAG	119166		
QY	61	CGAGAAAGCGGCGCCAGAGACCCCGAGGCGCCGACGTTGCGACGCTGGGATCAGAAG	120		
Db	119164	CGAGAAAGCGGCGCCAGAGACCCCGAGGCGCCGACGTTGCGACGCTGGGATCAGAAG	119222		
QY	121	CAGGGGACGAGGAGCGCAGAACTGTGGCGCCCGCCCGCCCTGCTGGCGCGAGGAAGCT	180		
Db	119224	CAGGGGACGAGGAGCGCAGAACTGTGGCGCCCGCCCGCCCTGCTGGCGCGAGGAAGCT	119282		
QY	181	CCCTCACGAGAGGAAGTCCCTTCATCCCGGCGCCACGCTTCAGAGGGGGCGCTGGGGTTC	240		
Db	119284	C-----+-----CCCTCACCGGGGCGCCAGCCTTCAGAGGGGGCGCTGGGGTTC	119322		
QY	241	AACACCGCAAGCGAAGTGTGGCGCGCGGGGTGGGCTCTGGCGAGACAAAGCGCGGGCTTGC	300		
Db	119326	AACACCGCAAGCGAAGTGTGGCGCGGGGTGGGCTCTGGCGAGACAAAGCGCGGGCTTGC	119385		

QY	301	CT-CTTCACAGAGGGCCCCAGCGCTGTCACAAAGAGAAATCTTGAAGCCCCGGGACAGGGAG	359
Db	119386	CTGCTCTCAAGAGGGCCCCAGCGCTGTCACAAAGAGAAATCTTGAAGCCCCGGGACAGGGAG	119445
QY	360	GGGGACAGGGCTTCCAGAGGCCCGCGCGCGCAGCAGAGATTGGCCAGGGACAGGGCGT	419
Db	119446	GGGGACAGGGCTTCCAGAGGCCCGCGCGCGCAGCAGAGATTGGCCAGGGACAGGGCGT	119505
QY	420	GAGCGAGCGCGGAGGCGTTTCTCAAGAGAGCGGGGCGGCGCGCGTGAAGGGG--GAG	478
Db	119506	GAGCGAGCGGGGAGGCGTTTCTCAAGAGAGCGGGGCGGCGCGCGTGAAGGGGCGGAG	119565
QY	479	GACCGGGTTAAGAAACCTCGTGGGCTTGCCCGCGGACGCGAGATTGCCCGCGGCGCCC	538
Db	119566	GACCGGGTTAAGAAACCTCGTGGGCTTGCCCGCGGACGCGAGATTGCCCGCGGCGCCC	119625
QY	539	GAGCGCGCGCGCGC	551
Db	119626	GAGCGCGCGCGCGC	119638

RESULT 6	BD082141	BD082141	562 bp	DNA	linear	PAT 27-AUG-2002
LOCUS	BD082141					
DEFINITION		Reagents and methods useful for detecting diseases of the lung.				
ACCESSION	BD082141					
VERSION	BD082141.1	GI:22627751				
KEYWORDS	JP 200152225-A/5.					
SOURCE	Zea mays					
ORGANISM	Zea mays					

REFERENCE
Eukariotica; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta
Spermatophyta; Magnoliophyta, Liliopsida; Poales; Poaceae; PACCAD
1-lade; Paniclealoides; Zee.
AUTHORS
Muller, P.N., Gordon, J., Collette, T.L., Friedman, P.N., Russell, J.C.,
Grassels, R.N., Hodges, S.C., Klais, A.R., Kitchin, J.D., Kapp, L.R.,
Russell, J.C., and Stroupe, S.D.

TITLE
Reagents and methods useful for detecting diseases of the lung

JOURNAL
PATENT: JP 2001522225-A-5 13-NOV-2001,
ABBOTT LABORATORIES
PN JP 2001522225-A/5

PD	13-NOV-2001	
PF	30-JAN-1998	JP 1998533078
PR	31-JAN-1997	US 08/7791710
PI	PATRICIA A BILLING	MEDEL, MAURICE COHEN, TRACEY L COLPITTS, PAULA N FRIEDMAN, JULIAN GORDON, EDWARD N GRANADOS, STEVEN C HODGES, MICHAEL R KILASS, JON D KRATOCHVIL, LISA ROBERTS RAPP, JOHN C RUSSELL, STEPHEN D SROUPE, C12N15/63, C12N5/10, C12Q1/66, C07K14/47//C07K16/30, G01N33/574 CC
Strandedness:	Single;	
CC	Topology:	Linear;
FH	key	Location/Qualifiers.
FEATURES	Location/Qualifiers	
SOURCE	1 563	

	/organism="Zea mays"	
	/mol_type="genomic DNA"	
	/db_xref="taxon:4577"	
BASE COUNT	82 a 200 c 192 g	86 t 2 others
ORIGIN		
Query Match	21.8%	Score 120; DB 6; Length 562;
Best Local Similarity	99.2%; Pred. No. 1.4e-10;	
Matches 120; Conservative	0; Mismatches	1; Indels 0; Gaps 0;
OY	431 GCAGGGCTTTCACGAGCGCCGGCGCAGGCCGTGCAGAGGGCGAGAACCGGGATTAA	490
DB	1 GCAGGGCTTTCACGAGCGCCGGCGCAGGCCGTGCAGAGGGCGAGAACCGGGATTAA	60
OY	491 GAAGCCTGTGGCCTTGCCCGGGCAGCCGACAGTTCCCCCGCGCCCAGACCCTCCGC	550

Db 61 GAAGCCTCTGCGCTTGGCCGGGAGCGGAGCTTCCCGCGCCCGCCGAGCCCGCCGCGC 120

Oy 551 C 551

Db 121 C 121

RESULT 7
BD082137 190 bp DNA linear PAT 27-AUG-2002
LOCUS Reagents and methods useful for detecting diseases of the lung.
DEFINITION BD082137
ACCESSION BD082137.1 GI:22627747
VERSION JP 2001522225-A/1.
KEYWORDS
SOURCE Zea mays
ORGANISM Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoideae; Andropogoneae; Zea.

REFERENCE
AUTHORS Medel, P.A.B., Cohen, M., Colpitts, T.L., Friedman, P.N., Gordon, J., Granados, E.N., Hodges, S.C., Klass, M.R., Kratochvill, J.D., Rapp, L.R., Russell, J.C., and Stroupe, S.D.
TITLE Reagents and methods useful for detecting diseases of the lung
JOURNAL Patent: JP 2001522225-A 1 13-NOV-2001;
COMMENT ABBOTT LABORATORIES
PN JP 2001522225-A/1
PD 13-NOV-2001
PF 30-JAN-1998 JP 1998533078
PR 31-JAN-1997 US 08/791710
PI PATRICIA A BILLING MEDEL, MAURICE COHEN, TRACEY L COLPITTS, PAULA

FEATURES
source location/Qualifiers
1. 190
/organism="Zea mays"
/mol_type="genomic DNA"
/db_xref="taxon:4577"

BASE COUNT 18 a 69 c 67 g 32 t 4 others

ORIGIN

Query Match 21.2%; Score 117; DB 6; Length 190;
Best Local Similarity 96.7%; Pred. No. 6.1e-10;
Matches 117; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Oy 431 GCAGGCTTCTCAGAGCGCGGCGAGCGCGGCTGAGGAGGAGGACCGGATATA 490
|||||
Db 1 GCAGGCTTCTCAGAGCGCGGCGAGCGCGGCGGCTGAGGAGGAGGACCGGATATA 60
|||||

Oy 491 GAACCTCGGCGCTTCCCGGAGCGGAGGTCGCCGCGCGCCCGGAGCCCGCGCGC 550
|||||
Db 61 GAGCCCTGTCGCTTCCCGGAGCGGAGGTCGCCGCGCGCCCGGAGCCCGCGCGC 120
|||||

Oy 551 C 551

Db 121 C 121

RESULT 8
BD082142 519 bp DNA linear PAT 27-AUG-2002
LOCUS Reagents and methods useful for detecting diseases of the lung.
DEFINITION BD082142
ACCESSION BD082142.1 GI:22627752
VERSION JP 2001522225-A/6.
KEYWORDS

SOURCE
ORGANISM Zea mays
Zea mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoideae; Andropogoneae; Zea.

REFERENCE
AUTHORS Medel, P.A.B., Cohen, M., Colpitts, T.L., Friedman, P.N., Gordon, J., Granados, E.N., Hodges, S.C., Klass, M.R., Kratochvill, J.D., Rapp, L.R., Russell, J.C., and Stroupe, S.D.
TITLE Reagents and methods useful for detecting diseases of the lung
JOURNAL Patent: JP 2001522225-A 6 13-NOV-2001;
COMMENT ABBOTT LABORATORIES
PN JP 2001522225-A/6
PD 13-NOV-2001
PF 30-JAN-1998 JP 1998533078
PR 31-JAN-1997 US 08/791710
PI PATRICIA A BILLING MEDEL, MAURICE COHEN, TRACEY L COLPITTS, PAULA

FEATURES
source location/Qualifiers
1. 519
/organism="Zea mays"
/mol_type="genomic DNA"
/db_xref="taxon:4577"

BASE COUNT 78 a 190 c 170 g 81 t

ORIGIN

Query Match 14.2%; Score 78; DB 6; Length 519;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 474 GCGAGACCGGATTAAGAGCCCTGCTGCGCTTCCCGGAGCGGAGGATTTCCCGCGC 533
|||||
Db 1 GCGAGACCGGATTAAGAGCCCTGCTGCGCTTCCCGGAGCGGAGGATTTCCCGCGC 60
|||||

Oy 534 GCCCGAGGCCCGCGGCC 551
|||||
Db 61 GCCCGAGGCCCGCGGCC 78
|||||

RESULT 9
AX201348 569 bp DNA linear PAT 30-AUG-2001
LOCUS Sequence 27 from Patent WO0153486.
DEFINITION AX201348
ACCESSION AX201348.1 GI:15391167
VERSION
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS Ashkenazi, A.J., Goddard, A., Godowski, P.J., Gunney, A.L., Hillan, K.J., Masters, S.A., Pan, J., Pitti, R.M., Roy, M.A., Smith, V., Stone, D.M., Watanabe, C.K., and Wood, W.I.
TITLE Compositions and methods for the treatment of tumour
JOURNAL Patent: WO 0153486-A 27 26-JUL-2001;
Genentech, Inc. (US)

FEATURES
source location/Qualifiers
1. 569
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 128 a 190 c 170 g 81 t

ORIGIN

BASE COUNT	129	a	190	c	170	g	81	t
ORIGIN	/db_xref="taxon:9606"							
Query Match	14.2%; Score 78; DB 6; Length 570;							
Best Local Similarity	100.0%; Pred. No. 0.0014;							
Matches	78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;							
OY	474	GCCAGGACCGGGATATGAAGCCTGTGGCTTGTCCCGGACGCGCAGGTTCCCGCGC 533						
Db	1	GCCAGGACCGGGATATGAAGCCTGTGGCTTGTCCCGGACGCGCAGGTTCCCGCGC 60						
OY	534	GCCCGGAGCCCGCGCGC 551						
Db	61	GCCCGGAGCCCGCGCGC 78						
RESULT 12								
LOCUS	BD082138	244		bp	DNA	linear		
DEFINITION	Reagents and methods useful for detecting diseases of the lung.							
ACCESSION	BD082138							
VERSION	BD082138.1	GI:22627748						
KEYWORDS	JP 2001522225-A/2.							
SOURCE	Zea mays							
ORGANISM	Zea mays							
REFERENCE	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoidae; Andropogoneae; Zea.							
AUTHORS	1 (bases 1 to 244)							
TITLE	Medel,P.A.B., Cohen,M., Colpitts,T.L., Friedman,P.N., Gordon,J., Granados,E.N., Hodges,S.C., Klass,M.R., Kratochvil,J.D., Rapp,L.R., Russell,J.C. and Stroupe,S.D.							
JOURNAL	Reagents and methods useful for detecting diseases of the lung							
COMMENT	Patient: JP 2001522225-A 2 13-NOV-2001; ABBOTT LABORATORIES PN JP 2001522225-A/2 PD 13-NOV-2001 PE 30-JAN-1998 JP 1998533078 PR 31-JAN-1997 US 08/791710 PI PATRICIA A BILLING MEDEL,MAURICE COHEN,TRACEY L COLPITTS,PAULA							
FEATURES	PI N FRIEDMAN, PI JULIAN GORDON, EDWARD N GRANADOS, STEVEN C HODGES, MICHAEL R PI KLAAS, PI STROPE, PI JON D KRATOCHVIL, LISA ROBERTS RAPP, JOHN C RUSSELL, STEPHEN D PC C12N5/63, C12N5/10, C12Q1/68, C07K14/47//C07K16/30, G01N33/574 CC Strandedness: Single; CC Topology: Linear; FH Key Location/Qualifiers.							
source	1..244 /organism="Zea mays" /mol_type="genomic DNA" /db_xref="taxon:4577"							
BASE COUNT	25	a	97	c	82	g	39	t
ORIGIN	1 others							
Query Match	14.0%; Score 77; DB 6; Length 244;							
Best Local Similarity	98.7%; Pred. No. 0.0026; 1; Indels 0; Gaps 0;							
Matches	77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;							
OY	474	GCCAGGACCGGGATATGAAGCCTGTGGCTTGTCCCGGACGCGCAGGTTCCCGCGC 533						
Db	1	GCCAGGACCGGGATATGAAGCCTGTGGCTTGTCCCGGACGCGCAGGTTCCCGCGC 60						
OY	534	GCCCGGAGCCCGCGCGC 551						
Db	61	GCCCGGAGCCCGCGCGC 78						

LOCUS	AF429315/c	125020 bp	DNA	linear	PRI	18-Jan-2002
DEFINITION	AF429315	125020 bp	DNA	linear	PRI	18-Jan-2002
ACCESSION	AF429315	125020 bp	DNA	linear	PRI	18-Jan-2002
VERSION	AF429315.1	GI:17646244	DNA	linear	PRI	18-Jan-2002
KEYWORDS						
SOURCE						
ORGANISM						
REFERENCE						
AUTHORS						
TITLE						
JOURNAL						
MEDLINE						
PubMed						
REFERENCE						
AUTHORS						
TITLE						
JOURNAL						
FEATURES						
source						
gene						
mrna						
cds						
repeat_region						
BASE COUNT						
ORIGIN						
Query Match						
Best local similarity						
Matches						
45						
17694						
105						
17634						
165						
17574						
225						

Db	17514	RSKRSTGAGMGWMTSSKGRKSTGMRACSKRTKSTGYSTGRSMKKKGYSTYSRGMGKKRT	17455
Qy	285	CAAAAGCGCCGGCTGCCTCCTCAGAGAGCCCGCCAGCGGCTGCCAAGAGGAATCCTCGAG	344
Db	17454	CYCMWYIKYKRTKSMCWMYMYMYKMSWGYKRYKRCCKMKKCTGYRGMSSKRSKYKSMGMG	17395
Qy	345	CCCCGGCGAGGAAGAGGGGCGAGCGGTTCCACAGCGCCCGCCGCGCCACACAGAAGT-TG	403
Db	17394	SSSTSCWKSCKMGTYSMMKCMKYYSYKKRKRSMSSMSGMRGYAGRGYSSSMWSTRKR	17335
Qy	404	GCCAGGGCAGCGCCCTGACCGGAGCGCGGAGCGGCTTTCAGAGGCGGGGAGGCGCG	463
Db	17334	RSKCYSTKSTYKKGKRGKMGKMGKRSKYSSMKKRRSMSCYCTKTYKSGRRSKGM	17275
Qy	464	CGCTGGAGGGCGGAGCAGCGGGTATTAAGAAGCTCTGCGCTTGCCCGGGCAGCGCAG	523
Db	17274	GRSTRKAKKSMRWAGSKCTYGSYSWNRRNNRMRKGTGCTNYTRSRAMNOMNAADG	17215
Qy	524	TTCCCC 529	
Db	17214	TTCCCC 17209	
RESULT 14			
AP005772/c	172650 bp	DNA	linear
LOCUS	Oryza sativa (japonica cultivar-group)	chromosome 2	clone
DEFINITION	OSJNBAA0073A21, *** SEQUENCING IN PROGRESS ***.		
VERSION	AP005772		
ACCESSION	AP005772.1	GI:23491624	
KEYWORDS	HTG; HTGS; PHASE2.		
SOURCE	Oryza sativa (japonica cultivar-group)		
ORGANISM	Oryza sativa (japonica cultivar-group)		
	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;		
	Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;		
	Ehmerioideae; Oryzaceae; Oryza.		
REFERENCE	1		
AUTHORS	Sasaki, T.; Matsumoto, T. and Katayose, Y.		
TITLE	Oryza sativa nipponbare(GA3) genomic DNA, chromosome 2, BAC		
JOURNAL	clone:OSJNBAA0073A21		
REFERENCE	Published Only in Database (2002)		
AUTHORS	2 (bases 1 to 172650)		
TITLE	Sasaki, T., Matsumoto, T. and Katayose, Y.		
JOURNAL	Direct Submission		
REFERENCE	Submitted (25-SEP-2002) Takuji Sasaki, National Institute of		
AUTHORS	Agricobiological Sciences, Rice Genome Research Program, Kannondai		
TITLE	2-1-2, Tsukuba, Ibaraki 305-8602, Japan		
JOURNAL	(E-mail: tsasaki@ias.affrc.go.jp, URL: http://79p.dna.affrc.go.jp/,		
	tel:81-298-38-7441, fax:81-298-38-7468)		
COMMENT	NOTE: It currently consists of 1 contigs. Gaps between the contigs		
	are represented as runs of N. The order of the pieces is believed		
	to be correct as given, however the sizes of the gaps between them		
	are based on estimates that have provided by the submitter. This		
	sequence will be replaced by the finished sequence as soon as it is		
	available and the accession number will be preserved.		
	* NOTE: This is a 'working draft' sequence.		
	* This sequence will be replaced		
	* by the finished sequence as soon as it is available and		
	* the accession number will be preserved.		
FEATURES	Location/Qualifiers		
source	1. 172650		
	/organism="Oryza sativa (japonica cultivar-group)"		
	/mol_type="genomic DNA"		
	/cultivar="Nipponbare"		
	/db_xref="taxon:39947"		
	/chromosome="2"		
	/clone="OSJNBAA0073A21"		
BASE COUNT	52696 a 34714 c 35062 g 49796 t 382 others		
ORIGIN			
Query Match	12.9%; Score 71; DB 2; Length 172650;		
Best Local Similarity	42.4%; Pzed No. 0.0037;		

Matches	222;	Conservative	0;	Mismatches	295;	Indels	6;	Gaps	1;
OY	34	CGTCCCTGCGCTCCACCTCCACCCAGAGGCGCCCAAGAGACCCCAAGTGGCC	93						
Db	91602	CGCAGCTACCGCGGCAAGCTGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	91543						
OY	94	GACGTTGCGAGGCTTGGGATCAGAGGACGAGGAGCCAGAACTGGCGCCGCC	153						
Db	91542	NN	91483						
OY	154	CGCCCTGCGCTGGCGGAGGAGAGTCCCTCAGCAGAGGAGAGTCCCTCAGCC	213						
Db	91482	CGGCGCGGCG	91423						
OY	214	CAGCCCTGCAAGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	273						
Db	91422	GNNGGCGGCG	91363						
OY	274	CCTCGGAGAGAAAGCGCGCGCGCTCTCTCTCAGAGGAGCCCAAGCCTGCAAG	333						
Db	91362	GCG	91303						
OY	334	AAGCTCTC-----GAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	387						
Db	91302	GCG	91243						
OY	388	CGCCAGAGAGAGTGTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	447						
Db	91242	CGGCG	91183						
OY	448	GCG	507						
Db	91182	CGGCG	91123						
OY	508	CGCGGCGCGCGCGAGGTTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	550						
Db	91122	CGGCG	91080						

OY	42	GCGCTCCACCTCCCGAGCGCGAGAAAGCGCCCGACAGAGACCCCAAGTGGCC	101						
Db	1237	GCGCCNCCCGCCCG	1178						
OY	102	CAGGTTGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	161						
Db	1177	CGGCG	1118						
OY	162	CCCTGCGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	221						
Db	1117	GCG	1058						
OY	222	CAGGCG	280						
Db	1057	CGGCG	998						
OY	281	GAGACAAAGCG	340						
Db	997	CGGCG	938						
OY	341	CGAGGCG	400						
Db	937	CGGCG	878						
OY	401	TTGCGCAGGCG	460						
Db	877	NCCCG	823						
OY	461	CGGCG	520						
Db	822	CG	763						
OY	521	AGGTTCCCG	550						
Db	762	GCG	733						

Search completed: September 20, 2003, 00:35:05
Job time : 2472.41 secs

RESULT 15
PM2H12G 1279 bp DNA linear STS 09-MAR-2002
LOCUS Penicillium marneffei STS, clone pm2h12.g, sequence tagged site.
DEFINITION AL684840
ACCESSION AL684840.1 GI:19337636
VERSION STS.
KEYWORDS Penicillium marneffei
SOURCE Penicillium marneffei
ORGANISM Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Penicillium.
REFERENCE 1. Yuen, K.Y., Pascal, G., Wong, S., Glaser, P., Woo, P., Kunst, P.,
AUTHORS Cheung, E., Medigue, C. and Danchin, A.,
TITLE Exploring the Penicillium marneffei genome
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1279)
AUTHORS Danchin, A. and Pascal, G.
TITLE Direct Submission
JOURNAL Submitted (08-MAR-2002) Danchin A., HKU-Pasteur Research Centre,
Dexter HC Man Building 8, Sassoon Road, Pokfulam, Hong Kong
FEATURES
source 1. 1279
/organism="Penicillium marneffei"
/mol_type="genomic DNA"
/db_xref="taxon:37727"
/clone="pm2h12.g"
BASE COUNT 93 a 516 c 497 g 22 t 151 others
ORIGIN
Query Match 12.4%; Score 68.2; DB 11; Length 1279;
Best Local Similarity 45.3%; Pred. No. 0.046;
Matches 231; Conservative 0; Mismatches 273; Indels 6; Gaps 2;

```

1 RESULT 1
2 US-09-996-243-407
3 Sequence 407, Application US/0996243
4 Patent No. 6478825
5 GENERAL INFORMATION:
6 APPLICANT: Ashkenazi, Avi J.
7 APPLICANT: Baker, Kevin P.
8 APPLICANT: Bolstein, David
9 APPLICANT: Desnoyers, Luc
10 APPLICANT:
11 APPLICANT: Eaton, Dan L.
12 APPLICANT: Ferrara, Napoleone
13 APPLICANT: Fong, Sheng-ming
14 APPLICANT: Gerber, Hanspeter
15 APPLICANT: Gettel, Mary E.
16 APPLICANT: Goddard, Percy E.
17 APPLICANT: Godowski, Paul J.
18 APPLICANT: Grimaldi, J. Christopher
19 APPLICANT: Guiney, Austin L.
20 APPLICANT: Kijavitt, Yvett J.
21 APPLICANT: Napier, Mary A.
22 APPLICANT: Pan, James
23 APPLICANT: Paoni, Nicholas F.
24 APPLICANT: Roy, Margaret Ann
25 APPLICANT: Stewart, Timothy A.
26 APPLICANT: Tamas, Daniel
27 APPLICANT: Watanabe, Colin K.
28 APPLICANT: Williams, P. Mickey
29 APPLICANT: Wood, William I.
30 APPLICANT: Zhang, Zemin
31 TITLE OF INVENTION: Sectioned and Transmembrane Polypeptides and Nucleic
32 FILE REFERENCE: P2730P/US/0113
33 CURRENT APPLICATION NUMBER: US/09/996,243
34 CURRENT FILING DATE: 2001-11-14
35 PRIOR APPLICATION NUMBER: 60/049787
36 PRIOR FILING DATE: 1997-06-16
37 PRIOR APPLICATION NUMBER: 60/062250
38 PRIOR FILING DATE: 1997-10-17
39 PRIOR APPLICATION NUMBER: 60/065186
40 PRIOR FILING DATE: 1997-11-12
41 PRIOR APPLICATION NUMBER: 60/065311
42 PRIOR FILING DATE: 1997-11-13
43 PRIOR APPLICATION NUMBER: 60/066770
44 PRIOR FILING DATE: 1997-11-24
45 PRIOR APPLICATION NUMBER: 60/075945
46 PRIOR FILING DATE: 1998-02-25
47 PRIOR APPLICATION NUMBER: 60/078910
48 PRIOR FILING DATE: 1998-03-20
49 PRIOR APPLICATION NUMBER: 60/083322
50 PRIOR FILING DATE: 1998-04-28

```

us-10-081-817a-19.rni

1	PRIOR APPLICATION NUMBER: 60/084600
2	PRIOR FILING DATE: 1998-05-07
3	PRIOR APPLICATION NUMBER: 60/087106
4	PRIOR FILING DATE: 1998-05-28
5	PRIOR APPLICATION NUMBER: 60/087607
6	PRIOR FILING DATE: 1998-06-02
7	PRIOR APPLICATION NUMBER: 60/087609
8	PRIOR FILING DATE: 1998-06-02
9	PRIOR APPLICATION NUMBER: 60/087759
10	PRIOR FILING DATE: 1998-06-02
11	PRIOR APPLICATION NUMBER: 60/087827
12	PRIOR FILING DATE: 1998-06-03
13	PRIOR APPLICATION NUMBER: 60/088021
14	PRIOR FILING DATE: 1998-06-04
15	PRIOR APPLICATION NUMBER: 60/088025
16	PRIOR FILING DATE: 1998-06-04
17	PRIOR APPLICATION NUMBER: 60/088026
18	PRIOR FILING DATE: 1998-06-04
19	PRIOR APPLICATION NUMBER: 60/088028
20	PRIOR FILING DATE: 1998-06-04
21	PRIOR APPLICATION NUMBER: 60/088029
22	PRIOR FILING DATE: 1998-06-04
23	PRIOR APPLICATION NUMBER: 60/088030
24	PRIOR FILING DATE: 1998-06-04
25	PRIOR APPLICATION NUMBER: 60/088033
26	PRIOR FILING DATE: 1998-06-04
27	PRIOR APPLICATION NUMBER: 60/088326
28	PRIOR FILING DATE: 1998-06-04
29	PRIOR APPLICATION NUMBER: 60/088167
30	PRIOR FILING DATE: 1998-06-05
31	PRIOR APPLICATION NUMBER: 60/088202
32	PRIOR FILING DATE: 1998-06-05
33	PRIOR APPLICATION NUMBER: 60/088212
34	PRIOR FILING DATE: 1998-06-05
35	PRIOR APPLICATION NUMBER: 60/088217
36	PRIOR FILING DATE: 1998-06-05
37	PRIOR APPLICATION NUMBER: 60/088655
38	PRIOR FILING DATE: 1998-06-09
39	PRIOR APPLICATION NUMBER: 60/088734
40	PRIOR FILING DATE: 1998-06-10
41	PRIOR APPLICATION NUMBER: 60/088738
42	PRIOR FILING DATE: 1998-06-10
43	PRIOR APPLICATION NUMBER: 60/088742
44	PRIOR FILING DATE: 1998-06-10
45	PRIOR APPLICATION NUMBER: 60/088810
46	PRIOR FILING DATE: 1998-06-10
47	PRIOR APPLICATION NUMBER: 60/088824
48	PRIOR FILING DATE: 1998-06-10
49	PRIOR APPLICATION NUMBER: 60/088826
50	PRIOR FILING DATE: 1998-06-10
51	PRIOR APPLICATION NUMBER: 60/088858
52	PRIOR FILING DATE: 1998-06-11
53	PRIOR APPLICATION NUMBER: 60/088861
54	PRIOR FILING DATE: 1998-06-11
55	PRIOR APPLICATION NUMBER: 60/088876
56	PRIOR FILING DATE: 1998-06-11
57	PRIOR APPLICATION NUMBER: 60/089105
58	PRIOR FILING DATE: 1998-06-12
59	PRIOR APPLICATION NUMBER: 60/089440
60	PRIOR FILING DATE: 1998-06-16
61	PRIOR APPLICATION NUMBER: 60/089512
62	PRIOR FILING DATE: 1998-06-16
63	PRIOR APPLICATION NUMBER: 60/089514
64	PRIOR FILING DATE: 1998-06-16
65	PRIOR APPLICATION NUMBER: 60/089532
66	PRIOR FILING DATE: 1998-06-17
67	PRIOR APPLICATION NUMBER: 60/089538
68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089598
70	PRIOR FILING DATE: 1998-06-17
71	PRIOR APPLICATION NUMBER: 60/089599
72	PRIOR FILING DATE: 1998-06-17
73	PRIOR APPLICATION NUMBER: 60/089600

1	PRIOR FILING DATE: 1998-06-17	60/0896533
2	PRIOR APPLICATION NUMBER: 60/0896533	
3	PRIOR FILING DATE: 1998-06-17	60/0898001
4	PRIOR APPLICATION NUMBER: 60/0898001	
5	PRIOR FILING DATE: 1998-06-18	60/0899907
6	PRIOR APPLICATION NUMBER: 60/0899907	
7	PRIOR FILING DATE: 1998-06-18	60/0899908
8	PRIOR APPLICATION NUMBER: 60/0899908	
9	PRIOR FILING DATE: 1998-06-18	60/0899477
10	PRIOR APPLICATION NUMBER: 60/0899477	
11	PRIOR FILING DATE: 1998-06-19	60/0899488
12	PRIOR APPLICATION NUMBER: 60/0899488	
13	PRIOR FILING DATE: 1998-06-19	60/0899952
14	PRIOR APPLICATION NUMBER: 60/0899952	
15	PRIOR FILING DATE: 1998-06-19	60/090246
16	PRIOR APPLICATION NUMBER: 60/090246	
17	PRIOR FILING DATE: 1998-06-22	60/090252
18	PRIOR APPLICATION NUMBER: 60/090252	
19	PRIOR FILING DATE: 1998-06-22	60/090254
20	PRIOR APPLICATION NUMBER: 60/090254	
21	PRIOR FILING DATE: 1998-06-22	60/090349
22	PRIOR APPLICATION NUMBER: 60/090349	
23	PRIOR FILING DATE: 1998-06-23	60/090355
24	PRIOR APPLICATION NUMBER: 60/090355	
25	PRIOR FILING DATE: 1998-06-23	60/090429
26	PRIOR APPLICATION NUMBER: 60/090429	
27	PRIOR FILING DATE: 1998-06-24	60/090431
28	PRIOR APPLICATION NUMBER: 60/090431	
29	PRIOR FILING DATE: 1998-06-24	60/090435
30	PRIOR APPLICATION NUMBER: 60/090435	
31	PRIOR FILING DATE: 1998-06-24	60/090444
32	PRIOR APPLICATION NUMBER: 60/090444	
33	PRIOR FILING DATE: 1998-06-24	60/090445
34	PRIOR APPLICATION NUMBER: 60/090445	
35	PRIOR FILING DATE: 1998-06-24	60/090535
36	PRIOR APPLICATION NUMBER: 60/090535	
37	PRIOR FILING DATE: 1998-06-24	60/090540
38	PRIOR APPLICATION NUMBER: 60/090540	
39	PRIOR FILING DATE: 1998-06-24	60/090542
40	PRIOR APPLICATION NUMBER: 60/090542	
41	PRIOR FILING DATE: 1998-06-24	60/090557
42	PRIOR APPLICATION NUMBER: 60/090557	
43	PRIOR FILING DATE: 1998-06-24	60/090676
44	PRIOR APPLICATION NUMBER: 60/090676	
45	PRIOR FILING DATE: 1998-06-25	60/090678
46	PRIOR APPLICATION NUMBER: 60/090678	
47	PRIOR FILING DATE: 1998-06-25	60/090690
48	PRIOR APPLICATION NUMBER: 60/090690	
49	PRIOR FILING DATE: 1998-06-25	60/090694
50	PRIOR APPLICATION NUMBER: 60/090694	
51	PRIOR FILING DATE: 1998-06-25	60/090695
52	PRIOR APPLICATION NUMBER: 60/090695	
53	PRIOR FILING DATE: 1998-06-25	60/090696
54	PRIOR APPLICATION NUMBER: 60/090696	
55	PRIOR FILING DATE: 1998-06-25	60/090862
56	PRIOR APPLICATION NUMBER: 60/090862	
57	PRIOR FILING DATE: 1998-06-26	60/090863
58	PRIOR APPLICATION NUMBER: 60/090863	
59	PRIOR FILING DATE: 1998-06-26	60/091360
60	PRIOR APPLICATION NUMBER: 60/091360	
61	PRIOR FILING DATE: 1998-07-01	60/091478
62	PRIOR APPLICATION NUMBER: 60/091478	
63	PRIOR FILING DATE: 1998-07-02	60/091544
64	PRIOR APPLICATION NUMBER: 60/091544	
65	PRIOR FILING DATE: 1998-07-01	60/091519
66	PRIOR APPLICATION NUMBER: 60/091519	
67	PRIOR FILING DATE: 1998-07-02	60/091626
68	PRIOR APPLICATION NUMBER: 60/091626	
69	PRIOR FILING DATE: 1998-07-02	60/091633
70	PRIOR APPLICATION NUMBER: 60/091633	

Page 4

```

RESULT 5
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294338
; GENERAL INFORMATION:

```

APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
NUMBER OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF ADDRESSES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria

```
STATE: VA
COUNTRY: USA
ZIP: 22113-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PTZgpt-Fls
US-08-232-463-14

Query Match
Best local similarity 8.6%; Score 47.2; DB 1; Length 7218;
Matches 13; Conservative 171; Mismatches 114; Indels 0; Gaps 0;

QY 222 AGCGGGGGCGTGGTACGACCGCAAGCAGTGGCGCCGCGGCTTCGCGGA 282
DB 1339 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1280
QY 283 GACAAGCGCGGCTGCTCTCAGAGCGCCCGCGCTGCCAAGAGAGTCTCG 342
DB 1279 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1220
QY 343 AGCGCGCGCAGAGGAGCGGCGCGCTCCAGCGCCGCGCGCAGCAGAGTT 402
DB 1219 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1160
QY 403 GCGCAGGCGCGCGCTGAGCGGAGCGGCGGCTTCTCAGAGCGCGGCGCG 462
DB 1159 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1100
QY 463 GCGCTGAGGCGGCGAGAGCGGTTAAGAGCGTCTGCGCGGCGAGCGCG 520
DB 1099 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1042

RESULT 7
US-08-458-912-1/c
; Sequence 1, Application US/08458912
; Patent No. 5650310
; GENERAL INFORMATION:
; APPLICANT: Broer, Inge
; APPLICANT: Hillemann, Doris
; APPLICANT: Puhler, Alfred
; APPLICANT: Wohlleben, Wolfgang
; APPLICANT: Donn, Gunter
; APPLICANT: Mullner, Hubert
; APPLICANT: Bartsch, Klaus
; TITLE OF INVENTION: DEACETYLASE GENES FOR THE PRODUCTION OF

TITLE OF INVENTION: PHOSPHINOTHRICIN OR
TITLE OF INVENTION: PHOSPHINOTHRICYL-ALANYL-ALANINE, AND THEIR USE
TITLE OF INVENTION: PROCESSES FOR THEIR ISOLATION, AND THEIR USE
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSER: Curtis, Morris & Safford
ADDRESSER: c/o William F. Lawrence
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,912
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/926,498
FILING DATE: 07-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lawrence, William F.
REGISTRATION NUMBER: 28,029
REFERENCE/DOCKET NUMBER: 514410-2882
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-0712
TELEFAX: (212) 840-3333
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 932 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-458-912-1

Query Match
Best local similarity 8.5%; Score 46.6; DB 1; Length 932;
Matches 144; Conservative 0; Mismatches 165; Indels 9; Gaps 1;

QY 184 TCACCGAGGAGGAGTCCCTCCATCCCGCCAGCCCTTCAGAGGGGCGCGTCA 243
DB 744 TCGTGATACAGACTTCTCCGAGACCGACTGATGAGCAGGGGCGAGACCGGTCAG 685
QY 244 CCGCAAGGAGAGTGGCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 303
DB 684 TCGCGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 625
QY 304 TCTCAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 363
DB 624 GCGATCGAGAGCGAGTCTCGGTCAGAGAGGATCTCGCTCTTCGGGTAGCGTGC 565
QY 364 CAGGCGCTCCAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 423
DB 564 GAGCGGCTTCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 505
QY 424 GAGG-----CGGCGAGGCGTTCAGAGCGGCGGCGGCGGCGGCGGCGG 474
DB 504 GGGTCCCGCGGCGTTCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 445
QY 475 CGAGACCGGGTATAGAGCGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 512
DB 444 TCACCGGCGAGAGTGTCTCGCGCGCGGCGGCGGCGGCGGCGGCGGCGG 407

RESULT 8
US-08-461-179-1/c
; Sequence 1, Application US/08461179
; Patent No. 5668297
; GENERAL INFORMATION:
```

```

APPLICANT: Broer, Inge
APPLICANT: Hillemann, Doris
APPLICANT: Puhler, Alfred
APPLICANT: Wohlleben, Wolfgang
APPLICANT: Donn, Gunter
APPLICANT: Mullner, Hubert
APPLICANT: Bartsch, Klaus
TITLE OF INVENTION: DEACETYLASE GENES FOR THE PRODUCTION OF
TITLE OF INVENTION: PHOSPHINOTHRICIN OR
TITLE OF INVENTION: PHOSPHINOTHRICIN-ALANYL-ALANINE,
NUMBER OF INVENTION: PROCESSES FOR THEIR ISOLATION, AND THEIR USE
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford
ADDRESSEE: c/o William F. Lawrence
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,179
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/926,498
FILING DATE: 07-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lawrence, William F.
REGISTRATION NUMBER: 28,029
REFERENCE/DOCKET NUMBER: 514410-2882
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 932 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-461-179-1

Query Match      8.5%  Score 46.6; DB 1; Length 932;
Best Local Similarity 48.5%; Pred. NO. 0.17;
Matches 164; Conservative 0; Mismatches 165; Indels 9; Gaps 1;

QY 184 TCACCNAGAGGAAGTCTCCCTCACCCGCGCCCAAGCCCTGCGAGGGGCGCGGTGAGTACA 243
DB 744 TCGTGTCACAGACTTCTCGGAACCGACTGATGAGCAGGGGGGCAAGCCGTCAGA 685
QY 244 CCGCAAGGAGAGTGGCGGGCGGGGCTGGCGGAGACAAAGCCCGGCTGCTC 303
DB 684 TCGCGTGGGGGGGGGAGGCGGAGGGGTTCTGGATCGGTGCGGCGCAGGTAGCGCCC 625
QY 304 TCTCAGAGGGGCGCCAGCGCTGCGCAAGAGAGTCTCGAGGGCGCGGGCGAGGAGGGG 363
DB 624 GCCATGCGGACGAGTCTCGGTCTCCAGAGAGATCTCGGCTCTTGGCGGGTGAGCTGC 565
QY 364 CACGAGGCTCCAGAGCGCCCGCGCGCCAGCAGAAATTGCGCAGGCGCGCGCTGCTC 423
DB 564 GAGCGCGCTTCCAGAGCGCCCGCGCGCCAGGCGAGATGACACCCCGCGCGCGCGCAGC 505
QY 424 GGAG-----CGGCGAGGGCTTTCTCAGAGCGCGGGCGAGGCGCGCGCTGAGGGG 474
DB 504 GGGTCCCGCGGTGCGCAGCAGCTGAGAGGGCGCGCGCAGCGCGCGCGCGCGCGAG 445
QY 475 CGAGAGCGGGGTAAAGAGCTCTGTGGCTTGGCCCGG 512

```

```

DB 444 TCACCGCGAGAGTGATCGCCCGCGCGCGCAGGCCCGG 407

RESULT 9
US-08-459-254-1/c
; Sequence 1, Application US/08459254
; Patent No. 5767370
; GENERAL INFORMATION:
; APPLICANT: Broer, Inge
; APPLICANT: Hillemann, Doris
; APPLICANT: Puhler, Alfred
; APPLICANT: Wohlleben, Wolfgang
; APPLICANT: Donn, Gunter
; APPLICANT: Mullner, Hubert
; APPLICANT: Bartsch, Klaus
; TITLE OF INVENTION: DEACETYLASE GENES FOR THE PRODUCTION OF
; TITLE OF INVENTION: PHOSPHINOTHRICIN OR
; TITLE OF INVENTION: PHOSPHINOTHRICIN-ALANYL-ALANINE,
; NUMBER OF INVENTION: PROCESSES FOR THEIR ISOLATION, AND THEIR USE
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford
; ADDRESSEE: c/o William F. Lawrence
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,254
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/926,498
FILING DATE: 07-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lawrence, William F.
REGISTRATION NUMBER: 28,029
REFERENCE/DOCKET NUMBER: 514410-2882
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 932 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-254-1

Query Match      8.5%  Score 46.6; DB 1; Length 932;
Best Local Similarity 48.5%; Pred. NO. 0.17;
Matches 164; Conservative 0; Mismatches 165; Indels 9; Gaps 1;

QY 184 TCACCNAGAGGAAGTCTCCCTCACCCGCGCCCAAGCCCTGCGAGGGGCGCGGTGAGTACA 243
DB 744 TCGTGTCACAGACTTCTCGGAACCGACTGATGAGCAGGGGGGCAAGCCGTCAGA 685
QY 244 CCGCAAGGAGAGTGGCGGGCGGGGCTGGCGGAGACAAAGCCCGGCTGCTC 303
DB 684 TCGCGTGGGGGGGGGAGGCGGAGGGGTTCTGGATCGGTGCGGCGCAGGTAGCGCCC 625
QY 304 TCTCAGAGGGGCGCCAGCGCTGCGCAAGAGAGTCTCGAGGGCGCGGGCGAGGAGGGG 363
DB 624 GCCATGCGGACGAGTCTCGGTCTCCAGAGAGATCTCGGCTCTTGGCGGGTGAGCTGC 565
QY 364 CACGAGCTTCCAGAGCGCCCGCGCGCCAGCAGAAATTGCGCAGGCGCGCGCTGCTC 423

```


Db 564 GAGGCGCCCTCGCAGGCCAGGTCGCGCCAGAGGCGAGATGACACCCGCGCGCCGAGC 505
OY 424 GGAG-----CGGCGAGGCGCTTCTCAGAGACCGCGGCGAGCGCGCTGAGAGG 474
Db 504 GGGTCCCCGCGCTCCGCGAGCAGCCTGAGGCGCGCGAGCGCGCGCGCGCGAG 445
OY 475 CGAGGACCGGCTATAGAGAGCCTGCGTGGCCTTGGCCCG 512
Db 444 TCACCGCGAGAGTGATCCGCCCGCGCGAGGCCCCG 407

RESULT 10
US-08-459-255-1/C
; Sequence 1, 5767371
; Patent No. 5767371
; GENERAL INFORMATION:
; APPLICANT: Broer, Inge
; APPLICANT: Hillemann, Doris
; APPLICANT: Puhler, Alfred
; APPLICANT: Mohlehen, Wolfgang
; APPLICANT: Donn, Gunter
; APPLICANT: Muller, Hubert
; APPLICANT: Bartsch, Klaus
; TITLE OF INVENTION: DEACETYLASE GENES FOR THE PRODUCTION OF
; TITLE OF INVENTION: PHOSPHINOTHRICIN OR
; TITLE OF INVENTION: PHOSPHINOTHRICIN-ALANINE,
; TITLE OF INVENTION: PROCESSES FOR THEIR ISOLATION, AND THEIR USE
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford
; ADDRESS: c/o William F. Lawrence
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,255
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/926,498
; FILING DATE: 07-AUG-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Lawrence, William F.
; REGISTRATION NUMBER: 28,029
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 840-0712
; TELEFAX: (212) 840-3333
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 932 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-459-255-1

Query Match 8.5%; Score 46.6; DB 1; Length 932;
Best Local Similarity 48.5%; Pred. No. 0.17; Mismatches 165; Indels 9; Gaps 1;
Matches 164; Conservative 0;

OY 184 TCACCNAGGAGAGCTCCCTCAGCCCGCGCGAGCGCGCTGAGGCTCAGA 243
Db 744 TCCTGTCAGAGAGCTCTCTCGAGACGAGCTGATGAGAGGCGCGAGACGCTGACA 685
OY 244 CCGCAAGCGAAGGTGCGGCGCGGCTGCGCGAGAGAAAGCGCGCGCTGCTC 303

Db 684 TCCTGTCAGAGAGCTCTCTCGAGACGAGCTGATGCTGCGCGCGAGAGAGCGCC 625
OY 304 TCACNAGGAGCGCCAGCGCTGCGAGAGAGATCTCAGAGCGCGCGAGAGAGG 363
Db 624 GCGATGCGAGACAGAGCTCTGCTGTCAGAGAGATCTCCTCTGCGGTGACCTGC 565
OY 364 CACGGGCTTCCAGAGGCGCGCGCGCGAGAGAGAGTGGCAGAGGCGCGCGTGCAGC 423
Db 564 GAGGCGCGCGCGCGCGCGCGCGCGCGAGAGAGATGACACCGCGCGCGCGAGC 505
OY 424 GGAG-----CGGCGAGGCGCTTCTCAGAGACCGCGGCGAGCGCGCTGAGAGG 474
Db 504 GGGTCCCCGCGCTCCGCGAGCAGCCTGAGGCGCGCGAGCGCGCGCGCGCGAG 445
OY 475 CGAGGACCGGCTATAGAGAGCCTGCGTGGCCTTGGCCCG 512
Db 444 TCACCGCGAGAGTGATCCGCCCGCGCGAGGCCCCG 407

RESULT 11
US-08-586-165-8/C
; Sequence 8, Application US/08586165
; Patent No. 6054298
; GENERAL INFORMATION:
; APPLICANT: Lauder, Edward M.
; APPLICANT: Orozco, Olivia F.
; APPLICANT: Tabin, Clifford J.
; TITLE OF INVENTION: Fringe Proteins and Pattern Formation
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Millia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/586,165
; FILING DATE: 16-JAN-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3937 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-586-165-8

Query Match 8.4%; Score 46.2; DB 3; Length 3937;
Best Local Similarity 48.1%; Pred. No. 0.22; Mismatches 173; Indels 2; Gaps 1;
Matches 162; Conservative 0;

OY 207 CCGGCGCGCGCGCTGCGAGGCGCGCGCTGAGAGAGAGAGAGAGAGAGAGAGAG 396
Db 455 CCGATCGGAGACCTCTCGAGAGCGAGCGAGAGAGAGAGAGAGAGAGAGAGAG 326
OY 267 GGGTGGCGCTTCCAGAGGCGCGCGCGCGAGAGAGAGAGAGAGAGAGAGAGAG 336
Db 395 GCTCCGAGAGCG 336

[illegible]

REFERENCE/DOCKET NUMBER: 28097/32742
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312/474-6300
 TELEFAX: 312/474-0448
 TELEX: 25-3856
 INFORMATION FOR SEQ ID NO: 36:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1327 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-483-533-36

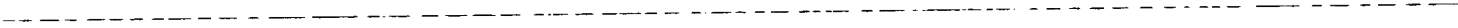
Query Match 8.2%; Score 45.4; DB 3; Length 1327;
 Best Local Similarity 46.2%; Pred. No. 0.31; Indels 1; Gaps 1;
 Matches 183; Conservative 0; Mismatches 212;

OY	23	TGAGGACCTGATGCTCCCTGGGCGCTCCACCTCCCGAGGCGCAGAAAGCGCCACGAGGAC	82
DB	491	TCACGCCCCCTTCGCGCTTCGCGCGCGCGCTCCCGCTCCGCTCAGCGAGAGC	550
OY	83	CCCCAGTGCAGGTTGCCAGGCTTGGAATCAGAGGCAGAGGACCCAGGAGCCAGGAAAC	142
DB	551	CTGGGGCGCTGCGCGCTGCGAGCGCGGGGAGGGGGGCGCGAGCCCGCGAGC	610
OY	143	TGGCGGGCG	202
DB	611	CCCCGAGACCCCG	670
OY	203	CTACACCG	262
DB	671	ACCG	730
OY	263	GGCGGGGTGGGCTCG-GGAGACAAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	321
DB	731	CACCTGTGTGTGTGGCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGAG	790
OY	322	CCTGCCAAGAGAACTCTCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	381
DB	791	CGGGCGCGAGCGGCTCGGTTCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	850
OY	382	CG	417
DB	851	TGCTTGGGGCGCGAGCG	886

Search completed: September 20, 2003, 01:41:14
 Job time : 89.9316 secs



-
-
-
-



GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:14:28 ; Search time 259.219 Seconds
(without alignments)
5737.968 Million cell updates/sec

Title: US-10-081-817A-19

Perfect score: 551
Sequence: 1 cggcgcggggagggcggcggg.....ggcgcacagaccccccggcc 551

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2552756 seqs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

```

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

```

Post-processing:	Minimum Match	0%
	Maximum Match	100%
	Listing first	45 summaries

Database :
N.GeneSeq_19Jun03.*
1: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1980.DAT.*
2: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1981.DAT.*
3: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1982.DAT.*
4: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1983.DAT.*
5: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1984.DAT.*
6: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1985.DAT.*
7: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1986.DAT.*
8: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1987.DAT.*
9: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1988.DAT.*
10: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1989.DAT.*
11: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1990.DAT.*
12: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1991.DAT.*
13: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1992.DAT.*
14: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1993.DAT.*
15: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1994.DAT.*
16: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1995.DAT.*
17: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1997.DAT.*
18: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1998.DAT.*
19: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA1999.DAT.*
20: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA2000.DAT.*
21: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA2001.DAT.*
22: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA2001B.DAT.*
23: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA2002.DAT.*
24: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA2002B.DAT.*
25: /SIDS1/gcgdata/geneSeq/geneSeqn -emb1 /NA2003.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB	ID	Description
1	298.4	54.2	1794	24	ABF06542	Human HIN-1 coding
2	120	21.8	562	19	ABV54616	LUI05 specific con
3	117	21.2	190	19	AAV24616	LUI05 specific pol
4	92	16.7	543	21	AAZ68173	Human signal pepti
5	92	16.7	543	21	AAZ62923	Human lung specif
6	78	14.2	519	19	AAV534621	LUI05 polypeptide
7	78	14.2	569	24	ABK40467	cDNA encoding huma
8	78	14.2	570	21	ABG65105	Membrane-bound pro

9	78	14.2	570	22	AABF44249		Human PKO1/45 (UNG)
10	78	14.2	570	25	ABX80386		Novel human secret
11	78	14.2	570	25	ABX80890		Human secreted/tira
12	78	14.2	570	25	ABX81273		Novel human secret
13	78	14.2	570	25	ABX90363		Human secreted/tira
14	78	14.2	570	25	ABX77974		Human PRO polynuci
15	78	14.2	570	25	ABX79657		Human secreted/tr
16	78	14.2	570	25	ABX64209		cDNA encoding huma
17	78	14.2	570	25	ABX17173		Human PRO polynuci
18	77	14.0	526	19	AAH54341		LJ105 specific pol
C 19	64.6	11.7	114955	20	ABV10080		Human adenosine A1
C 20	61.4	11.1	143058	20	ABN97455		Gene #3953 used to
C 21	58.6	10.6	43058	24	ABL65492		Lung cancer relate
C 22	58.6	10.6	43058	24	ABL65212		Lung cancer relate
C 23	58.6	10.6	43058	24	AAH53451		Human adenosine A1
C 24	57.6	10.5	114955	20	AAH53451		Oligonucleotide fo
C 25	55.6	10.1	629	24	ABQ43450		Human mast cell re
C 26	55.6	10.1	629	24	ABQ43451		Human mast cell re
C 27	55.2	10.0	3743	24	ABN81351		HSV-2 strain SPS C
C 28	54.6	9.9	117213	19	AAV62106		HSV-2 strain SPS C
C 29	50	9.1	3537	15	AAH51404		Human colon cancer
C 30	49.4	9.0	1335	13	AAQ32325		Human colon cancer
C 31	49	8.9	1127	21	AAAD2477		Reddit low density
C 32	48.8	8.9	2561	22	AAH26500		Mycobacterium tub
C 33	48.8	8.9	4403765	22	AAH96883		Human IL-1r1 Bac C
C 34	48.6	8.8	3198	20	AAH02974		Mycobacterium tub
C 35	48.4	8.8	4411529	22	AAH09682		HSV-2 immediate tea
C 36	47.8	8.7	3957	22	AAH09686		Human herpesvirus
C 37	47.8	8.7	154746	24	AAH25519		Human herpesvirus
C 38	47.8	8.7	154746	24	AAH25519		Human herpesvirus
C 39	47.4	8.6	1281	13	AAQ23296		HSV-1 (MGH-10) ICP
C 40	47.2	8.6	114793	22	AAH08215		Human low density
C 41	47	8.5	1614	22	AAH26499		Human protein kina
C 42	47	8.5	2461	22	AAH44725		Novel protein kina
C 43	47	8.5	12425	22	AAH26495		Human low density
C 44	47	8.5	26865	24	ABH55653		Human SULF genom
C 45	46.8	8.5	1000	21	AAA02484		Human colon cancer

ALIGNMENTS

RESULT 1	
ABT06542	
ID	ABT06542 standard; DNA: 1794 BP.
AC	
DT	ABT06542:
XX	07-NOV-2002 (first entry)
DE	
XX	Human HIN-1 coding sequence.
XX	
KW	Human: methylated gene; methylation: breast cancer; marker: WT-1;
KW	cell proliferative disorder; TWIST; HOXA5; NES-1; RAP80A; cyclin D2;
KW	retinoic acid receptor beta; oestrogen receptor; pRime; tumour;
KW	14.3.3 sigma; HIN-1; RASSFLA; tumour suppressor gene; hypermethylation;
XX	gene; promoter; ds.
OS	
XX	Homo sapiens.
PN	
XX	WO200259347-A2.
PD	
XX	01-AUG-2002.
PF	
XX	28-JAN-2002; 2002MO-US02455.
PR	
XX	26-JAN-2001; 2001US-0771357.
PA	(UYJO) UNIV JOHNS HOPKINS SCHOOL MEDICINE.
PI	Sukumar S, Evron E, Dooley WC, Sacchi N,
XX	Davidson N, Fackler MJ;
XX	WPI: 2002-599803/64.

ALIGNMENTS

XX Diagnosing and/or determining a predisposition to a cellular
 PT Proliferative disorder of breast tissue, in particular breast cancer,
 PT by determining the state of methylation of one or more nucleic acids
 PT isolated from the subject

XX Disclosure: Fig 9A; 115pp; English.

XX The present invention relates to a method of diagnosing a cellular
 CC Proliferative disorder of breast tissue, which involves determining the
 CC state of methylation of one or more nucleic acids isolated from the
 CC subject, where the state of methylation of the nucleic acids as compared
 CC with a state of methylation from a subject not having the cellular
 CC proliferative disorder of breast tissue is indicative of a cellular
 CC proliferative disorder of breast tissue in the subject. The nucleic acids
 CC may be TWIST, HOXA5, NES-1, retinoic acid receptor beta (RARbeta),
 CC oestrogen receptor, cyclin D2, Wt1, tumour gene (WT-1), 14.3.3 sigma,
 CC HIN-1 or RASBP1A. The method is useful for diagnosing and/or determining
 CC a predisposition to a cellular proliferative disorder, in particular
 CC breast cancer including ductal carcinoma in situ, lobular carcinoma,
 CC colloid carcinoma, tubular carcinoma, medullary carcinoma, metaplastic
 CC carcinoma, intraductal carcinoma in situ, lobular carcinoma in situ and
 CC papillary carcinoma in situ. The present sequence is a gene fragment used
 CC in the exemplification of the invention.

XX Sequence 1794 BP; 240 A; 646 C; 522 G; 318 T; 68 other;

Query Match 154.2%; Score 298.4; DB 24; Length 1794;
 Best Local Similarity 92.6%; Pred. No. 2.6e-49;

Matches 302; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

OY 226 GGGGCGCTGGGCTCAGACCCGAAAGCAAGTCGGGGCTGGGCTCGCGAGAC 285
 DB 846 GGGGCGCTGGGCTCAGACCCGAAAGCAAGTCGGGGCTGGGCTCGCGAGAC 905
 OY 286 AAAGCGCGGCTGCTCTTCAGAGGGCCCGACGCGCTGCGCAAGAGAGTCTCGAG 345
 DB 906 AAAGCGCGGCTGCTCTTCAGAGGGCCCGACGCGCTGCGCAAGAGAGTCTCGAG 965
 OY 346 CCGGCGCAGGAGAGGGGCGACGGGCTTCCAGGGCCCGCGCGCGCGAGAAAGTTGGC 405
 DB 966 CCGGCGCAGGAGAGGGGCGACGGGCTTCCAGGGCCCGCGCGCGCGAGAAAGTTGGC 1025
 OY 406 CAGGCGCAGGCGCTGAGGCGAGGCGGCGCTTTCAGAGAGGCGGGGAGGCGCGC 465
 DB 1026 CAGGCGCAGGCGCTGAGGCGAGGCGGCGCTTTCAGAGAGGCGGGGAGGCGCGC 1085
 OY 466 CTGGAGGGGCGAGGACCGGGTATAGAAGACCTGCTGCGTCCCGGCGAGCGCGAGTT 525
 DB 1086 CTGGAGGGGCGAGGACCGGGTATAGAAGACCTGCTGCGTCCCGGCGAGCGCGAGTT 1145
 OY 526 CCGGCGCGCGCGCGCGAGCGCGCGCGC 551
 DB 1146 CCGGCGCGCGCGCGCGAGCGCGCGCGC 1171

RESULT 2
 AAV54620
 ID AAV54620 standard; cDNA; 562 BP.

XX AAV54620;
 AC 25-MAR-2003 (updated)
 DT 30-OCT-1998 (first entry)

XX LU105 specific consensus polynucleotide sequence.

XX LU105; lung disease marker: immunoassay; lung disease; cancer;

XX blood; plasma; serum; ss.

XX Homo sapiens.

XX Key Location/Qualifiers

FT CDS 122..436
 FT /*tag=a
 FT /transl_except= (pos:176..178, aa:Val)
 FT /product="LU105 polypeptide"

XX MO9833926-A1.

XX 06-AUG-1998.

XX 30-JAN-1998; 98WO-US01766.

XX 31-JAN-1997; 97US-0791710.

XX (ABBO) ABBOTT LAB.

XX Billing-medel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;
 PI Granados EN, Hodges SC, Klass MR, Kratochvil JD, Robertsrapp L;
 PI Russell JC, Stroupe SD;

XX WPI; 1998-437479/37.

XX P-PSDB; AAW75868.

XX New nucleic acid for the lung disease marker LU105 - polypeptides,
 PT antibodies and genes, used for diagnosis, prevention, treatment of
 PT lung disease, specifically cancer

XX Claim 11; Fig 1; 123pp; English.

XX Sequences shown in AAV54616 to AAV54621 represent LU105 specific
 CC polynucleotide sequences. These are used in the method of the invention
 CC for detecting target LU105 nucleic acid. The method comprises treating a
 CC sample with at least one LU105 specific nucleic acid, or its complement
 CC which is at least 50 percent identical to the LU105 specific nucleic
 CC acid sequences (AAV54616 to AAV54621). LU105 is a lung disease marker.
 CC Cells transfected with a recombinant expression system that contains
 CC LU105 specific nucleic acid fragments, are used to express recombinant
 CC LU105 polypeptides which are used to raise antibodies. The antibodies are
 CC used to detect the LU105 antigen, and correspondingly this antigen is
 CC used to detect specific antibodies, in usual immunoassays. The LU105
 CC polypeptides and nucleic acid sequences are used for diagnosis, staging,
 CC monitoring, prognosis, prevention, treatment and determination of
 CC susceptibility to, lung disease, specifically cancer. The LU105
 CC polypeptides are also used to screen for specific binding agents, useful
 CC therapeutically. LU105 is a marker for lung disease (present at high
 CC concentration, in altered form or in an unusual body compartment). LU105
 CC can be detected in blood, plasma or serum in an inexpensive, non-invasive
 CC test.
 CC (updated on 25-MAR-2003 to correct PI field.)

XX Sequence 562 BP; 82 A; 200 C; 192 G; 86 T; 2 other;

Query Match 21.8%; Score 120; DB 19; Length 562;
 Best Local Similarity 99.2%; Pred. No. 1.1e-14;

Matches 120; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 431 GCAGGCGCTTCTCAGAGACCGGCGGCGCGCTGAGGGGCGAGACCGGGTATAA 490
 DB 1 GCAGGCGCTTCTCAGAGACCGGCGGCGCGCTGAGGGGCGAGACCGGGTATAA 60
 OY 491 GAAGCCTGCTGCGCTTGGCGGCGGCGAGCGAGGTTCCCGCGCGCGCGCGCGCGC 550
 DB 61 GAAGCCTGCTGCGCTTGGCGGCGGCGAGCGAGGTTCCCGCGCGCGCGCGCGCGC 120
 OY 551 C 551
 DB 121 C 121

RESULT 3
 AAV54616
 ID AAV54616 standard; cDNA; 190 BP.

XX 25-MAR-2003 (updated)
 DT 30-OCT-1998 (first entry)
 XX LU105 specific polynucleotide sequence from clone 3353867.
 DE LU105; lung disease marker; immunosassay; lung disease; cancer;
 KM blood; plasma; serum; ss.
 XX Homo sapiens.
 XX WO9833926-A1.
 PN 06-AUG-1998.
 PD 30-JAN-1998; 98WO-US01766.
 PF 31-JAN-1997; 97US-0791710.
 PR (ABBO) ABBOTT LAB.
 XX Billing-medel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;
 PI Granados EN, Hodges SC, Klass MR, Kirschchvil JD, Robertsrapp L;
 PI Russell JC, Strophe SD;
 WPI: 1998-437479/37.
 XX New nucleic acid for the lung disease marker LU105 - polypeptides,
 PT antibodies and genes, used for diagnosis, prevention, treatment of
 PT lung disease, specifically cancer
 PS Claim 11; Fig 1; 123pp; English.
 XX Sequences shown in AAV54616 to AAV54621 represent LU105 specific
 CC polynucleotide sequences. These are used in the method of the invention
 CC for detecting target LU105 nucleic acid. The method comprises treating a
 CC sample with at least one LU105 specific nucleic acid, or its complement
 CC which is at least 50 percent identical with the LU105 specific nucleic
 CC acid sequences (AAV54616 to AAV54621). LU105 is a lung disease marker.
 CC Cells transformed with a recombinant expression system that contains
 CC LU105 polypeptides which are used to raise antibodies. The antibodies are
 CC used to detect the LU105 antigen, and correspondingly this antigen is
 CC used to detect specific antibodies, in usual immunoassays. The LU105
 CC polypeptides and nucleic acid sequences are used for diagnosis, staging,
 CC monitoring, prognosis, prevention, treatment and determination of
 CC susceptibility to, lung disease, specifically cancer. The LU105
 CC polypeptides are also used to screen for specific binding agents, useful
 CC therapeutically. LU105 is a marker for lung disease (present at high
 CC concentration, in altered form or in an unusual body compartment). LU105
 CC can be detected in blood, plasma or serum in an inexpensive, non-invasive
 CC test.
 CC (updated on 25-MAR-2003 to correct PI field.)
 SQ Sequence 190 BP; 18 A; 69 C; 67 G; 32 T; 4 other;
 Query Match 21.2%; Score 117; DB 19; Length 190;
 Best Local Similarity 96.7%; Pred. No. 4, 3e-14;
 Matches 117; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 OY 431 GAGAGCTTCTCAGACGCGGCGGAGCGGCGCTGTGAGGCGAGACCGGATATA 490
 DB 1 GAGAGCTTCTCAGAGCGGCGGAGCGGCGGCGCTGTGAGGCGAGACCGGATATA 60
 OY 491 GAGAGCTTCTGAGCGGCGGCGGCGGAGCGGCGGCGGCGGCGGCGGCGGCGG 550
 DB 61 GAGAGCTTCTGAGCGGCGGCGGCGGAGCGGCGGCGGCGGCGGCGGCGGCGG 120
 OY 551 C 551
 DB 121 C 121

RESULT 4
 ID AA298173 standard; CDNA; 543 BP.
 XX AA298173;
 DT 11-MAY-2000 (first entry)
 XX Human signal peptide containing protein HSP-65 CDNA SEQ ID NO:199.
 DE Human signal peptide containing protein HSP-65 CDNA SEQ ID NO:199.
 XX Human: signal peptide-containing protein; HSP; diagnosis; cancer;
 KM inflammation; cardiovascular disease; anticancer; anti-inflammatory;
 KM antimicrobial; neuroprotective; cardiovascular; hepatocytic;
 KM antihistaminic; gene therapy; cell proliferation; neurological disorder;
 KM reproductive disorder; developmental disorder; arteriosclerosis;
 KM cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
 KM asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
 KM Parkinson's disease; Huntington's disease; ovulatory defect;
 KM muscular dystrophy; ss.
 XX Homo sapiens.
 OS WO200000610-A2.
 PN 06-JAN-2000.
 PD 25-JUN-1999; 99WO-US14484.
 PF 26-JUN-1998; 98US-0090762.
 PR 31-JUL-1998; 98US-0094983.
 PR 01-OCT-1998; 98US-0102686.
 PR 11-DEC-1998; 98US-0112129.
 XX (INCY-) INCYTE PHARM INC.
 PA Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
 PI Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
 PI Bandman O;
 WPI: 2000-160673/14.
 DR P-PSDB; AAY87288.
 XX New human signal peptide-containing proteins useful in treatment,
 PT prevention and diagnosis of e.g. cancer, inflammation and
 PT cardiovascular disease
 PS Claim 9; Page 289; 327pp; English.
 XX AA298109 to AA298242 encode AAY87224 to AAY87357 which represent the
 CC human signal peptide-containing proteins HSP-1 to HSP-134. HSPs have
 CC anticancer, anti-inflammatory, antimicrobial, neurotropic, hepatotropic,
 CC neuroprotective, cardiovascular and antihistaminic activities, and can
 CC be used in gene therapy. HSPs can be used to treat or prevent disorders
 CC associated with decreased activity or function of HSP. Antagonists of
 CC HSP are used to treat or prevent disorders associated with increased
 CC activity or function of HSP. Such diseases include cell proliferation
 CC (including cancer), inflammation, cardiovascular, neurological,
 CC reproductive or developmental disorders, (e.g. arteriosclerosis,
 CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, or
 CC asthma, Crohn's disease, microbial or other infections, congestive or
 CC ischemic heart disease, Alzheimer's, Parkinson's or Huntington's HSP
 CC diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSP
 CC nucleic acids can be used for the recombinant production of HSP, for
 CC detecting HSP in standard hybridisation and amplification assays (for
 CC diagnosis and monitoring), in gene therapy, as antisense,
 CC triplex-forming or ribozyme therapeutics, for detecting related sequences
 CC or genetic variations, and for chromosomal mapping. HSP are also used to
 CC raise specific antibodies (Ab) and to screen for agonists and
 CC antagonists (potential therapeutic agents). Ab are used to diagnose, or
 CC monitor, HSP-related diseases (in usual immunoassays), as therapeutic
 CC antagonists, in competitive drug screens, and for purification of HSP
 CC from natural sources.

SO Sequence 543 BP; 89 A; 194 C; 178 G; 82 T; 0 other;

Query Match 16.7%; Score 92; DB 21; Length 543;
Best Local Similarity 100.0%; Pred. No. 2.9e-09;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 460 CCGGGCGTGGAGGCGGAGACCGGCTATAGAGCCCTGCGCTTGCCTCCCGGAGACCG 519
XX
DB 1 CCGGGCGTGGAGGCGGAGACCGGCTATAGAGCCCTGCGCTTGCCTCCCGGAGACCG 60
XX

OY 520 CAGGTTCCCGCGCGCCCGGAGCCCGCGCC 551
XX
DB 61 CAGGTTCCCGCGCGCCCGGAGCCCGCGCC 92
XX

RESULT 5
AA229723
ID AA229723 standard; DNA; 543 BP.

AC AA229723;

DT 27-MAR-2000 (first entry)

DE Human lung specific gene lng107.

KW Lung Specific Gene; LSG: lng107; human; diagnostic marker;

KM prognosticate; lung cancer; diagnosis; ds.

OS Homo sapiens.

PH Key Location/Qualifiers

FT CDS 93..407
/tag= a
/product= "LSG lng107 protein"

FN MO9960160-A1.

PD 25-NOV-1999.

PF 12-MAY-1999; 99WO-US10344.

PR 21-MAY-1998; 98US-0086212.

PA (DIAD-) DIADEXUS LLC;

PI Yang F, Macina RA, Sun Y;

DR WPI: 2000-116320/10.

DR P-PSDB; AA44458.

PT A new method for diagnosing, monitoring and staging lung cancer -

PS Claim 6; Page 36; 40pp; English.

CC The present sequence is a lung specific gene (LSG) lng107 from human
CC clone ID 586271. The LSG has high level of tissue specificity for lungs
CC and is overexpressed in cancerous tissues. The sequence serves as a
CC diagnostic marker for detecting, monitoring, staging and prognosticating
CC lung cancer. The diagnosis involves comparing levels of LSG in samples
CC obtained from patient and normal control.

SO Sequence 543 BP; 89 A; 194 C; 178 G; 82 T; 0 other;

Query Match 16.7%; Score 92; DB 21; Length 543;
Best Local Similarity 100.0%; Pred. No. 2.9e-09;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 460 CCGGGCGTGGAGGCGGAGACCGGCTATAGAGCCCTGCGCTTGCCTCCCGGAGACCG 519
XX
DB 1 CCGGGCGTGGAGGCGGAGACCGGCTATAGAGCCCTGCGCTTGCCTCCCGGAGACCG 60
XX

OY 520 CAGGTTCCCGCGCGCCCGGAGCCCGCGCC 551
XX

DB 61 CAGGTTCCCGCGCGCCCGGAGCCCGCGCC 92
XX

RESULT 6
AAV54621
ID AAV54621 standard; cDNA; 519 BP.

AC AAV54621;

DT 25-MAR-2003 (updated)

DT 30-OCT-1998 (first entry)

DE LUI05 polypeptide encoding cDNA clone 1327836TH.

KW LUI05; lung disease marker; immunoassay; lung disease; cancer;

KM blood; plasma; serum; ss.

OS Homo sapiens.

PH Key Location/Qualifiers

FT CDS 79..393
/tag= a
/transl_except= (pos:136..138, aa:Val)
/product= "LUI05 polypeptide"

FN MO9833926-A1.

PD 06-AUG-1998.

PF 30-JAN-1998; 98WO-US01766.

PR 31-JAN-1997; 97US-0791710.

PA (ABBO) ABBOTT LAB.

PI Billing-medel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J,

PI Granados EN, Hodges SC, Klass MR, Kratochvil JD, Robertsrap L,

PI Russell JC, Stroepe SD;

DR WPI: 1998-437479/37.

DR P-PSDB; AAW75868.

PT New nucleic acid for the lung disease marker LUI05 - polypeptides,
PT antibodies and genes, used for diagnosis, prevention, treatment of
PT lung disease, specifically cancer

PS Claim 11; Fig 1; 123pp; English.

CC Sequences shown in AAV54616 to AAV54621 represent LUI05 specific
CC polynucleotide sequences. These are used in the method of the invention
CC for detecting target LUI05 nucleic acid. The method comprises treating a
CC sample with at least one LUI05 specific nucleic acid, or its complement
CC which is at least 50 percent identical with the LUI05 specific nucleic
CC acid sequences (AAV54616 to AAV54621). LUI05 is a lung disease marker.
CC Cells transformed with a recombinant expression system that contains
CC LUI05 specific nucleic acid fragments, are used to express recombinant
CC LUI05 polypeptides which are used to raise antibodies. The antibodies are
CC used to detect the LUI05 antigen, and correspondingly this antigen is
CC used to detect specific antibodies, in usual immunoassays. The LUI05
CC polypeptides and nucleic acid sequences are used for diagnosis, staging,
CC monitoring, prognosis, prevention, treatment and determination of
CC susceptibility to, lung disease, specifically cancer. The LUI05
CC polypeptides are also used to screen for specific binding agents, useful
CC therapeutically. LUI05 is a marker for lung disease (present at high
CC concentration, in altered form or in an unusual body compartment). LUI05
CC can be detected in blood, plasma or serum in an inexpensive, non-invasive
CC test.

SO (updated on 25-MAR-2003 to correct PI field.)

Sequence 519 BP; 78 A; 190 C; 170 G; 81 T; 0 other;

Query Match 14.2%; Score 78; DB 19; Length 519;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;

PR 12-JUN-1998; 98US-0089090.
PR 12-JUN-1998; 98US-0089105.
PR 16-JUN-1998; 98US-0089440.
PR 16-JUN-1998; 98US-0089512.
PR 16-JUN-1998; 98US-0089514.
PR 17-JUN-1998; 98US-0089532.
PR 17-JUN-1998; 98US-0089538.
PR 17-JUN-1998; 98US-0089558.
PR 17-JUN-1998; 98US-0089568.
PR 17-JUN-1998; 98US-0089620.
PR 17-JUN-1998; 98US-0089633.
PR 17-JUN-1998; 98US-0089637.
PR 18-JUN-1998; 98US-0089907.
PR 18-JUN-1998; 98US-0089908.
PR 19-JUN-1998; 98US-0089947.
PR 19-JUN-1998; 98US-0089948.
PR 19-JUN-1998; 98US-0089952.
PR 22-JUN-1998; 98US-0090246.
PR 22-JUN-1998; 98US-0090252.
PR 23-JUN-1998; 98US-0090349.
PR 23-JUN-1998; 98US-0090355.
PR 24-JUN-1998; 98US-0090429.
PR 24-JUN-1998; 98US-0090431.
PR 24-JUN-1998; 98US-0090435.
PR 24-JUN-1998; 98US-0090444.
PR 24-JUN-1998; 98US-0090445.
PR 24-JUN-1998; 98US-0090461.
PR 24-JUN-1998; 98US-0090472.
PR 24-JUN-1998; 98US-0090535.
PR 24-JUN-1998; 98US-0090538.
PR 24-JUN-1998; 98US-0090540.
PR 25-JUN-1998; 98US-0090557.
PR 25-JUN-1998; 98US-0090578.
PR 25-JUN-1998; 98US-0090578.
PR 25-JUN-1998; 98US-0090588.
PR 25-JUN-1998; 98US-0090590.
PR 25-JUN-1998; 98US-0090591.
PR 25-JUN-1998; 98US-0090594.
PR 25-JUN-1998; 98US-0090695.
PR 25-JUN-1998; 98US-0090696.
PR 26-JUN-1998; 98US-0090862.
PR 26-JUN-1998; 98US-0090863.
PR 01-JUL-1998; 98US-0091358.
PR 01-JUL-1998; 98US-0091360.
PR 01-JUL-1998; 98US-0091544.
PR 02-JUL-1998; 98US-0091478.
PR 02-JUL-1998; 98US-0091486.
PR 02-JUL-1998; 98US-0091519.
PR 02-JUL-1998; 98US-0091526.
PR 02-JUL-1998; 98US-0091528.
PR 02-JUL-1998; 98US-0091533.
PR 02-JUL-1998; 98US-0091546.
PR 02-JUL-1998; 98US-0091573.
PR 07-JUL-1998; 98US-0091978.
PR 07-JUL-1998; 98US-0092182.
PR 09-JUL-1998; 98US-0092472.
PR 10-JUL-1998; 98US-0093339.
PR 20-JUL-1998; 98US-0094651.
PR 04-AUG-1998; 98US-0095282.
PR 04-AUG-1998; 98US-0095285.
PR 04-AUG-1998; 98US-0095301.
PR 04-AUG-1998; 98US-0095302.
PR 04-AUG-1998; 98US-0095318.
PR 04-AUG-1998; 98US-0095321.
PR 04-AUG-1998; 98US-0095325.
PR 10-AUG-1998; 98US-0095916.
PR 10-AUG-1998; 98US-0095929.
PR 10-AUG-1998; 98US-0096012.
PR 11-AUG-1998; 98US-0096143.
PR 11-AUG-1998; 98US-0096146.
PR 12-AUG-1998; 98US-0096329.

PR 17-AUG-1998; 98US-0096757.
PR 17-AUG-1998; 98US-0096766.
PR 17-AUG-1998; 98US-0096768.
PR 17-AUG-1998; 98US-0096773.
PR 17-AUG-1998; 98US-0096791.
PR 17-AUG-1998; 98US-0096867.
PR 17-AUG-1998; 98US-0096891.
PR 17-AUG-1998; 98US-0096894.
PR 17-AUG-1998; 98US-0096895.
PR 17-AUG-1998; 98US-0096897.
PR 18-AUG-1998; 98US-0096949.
PR 18-AUG-1998; 98US-0096950.
PR 18-AUG-1998; 98US-0096959.
PR 18-AUG-1998; 98US-0096960.
PR 18-AUG-1998; 98US-0097022.
PR 19-AUG-1998; 98US-0097141.
PR 20-AUG-1998; 98US-0097218.
PR 24-AUG-1998; 98US-0097661.
PR 26-AUG-1998; 98US-0097951.
PR 26-AUG-1998; 98US-0097952.
PR 26-AUG-1998; 98US-0097954.
PR 26-AUG-1998; 98US-0097955.
PR 26-AUG-1998; 98US-0097955.
PR 26-AUG-1998; 98US-0097971.
PR 26-AUG-1998; 98US-0097974.
PR 26-AUG-1998; 98US-0097978.
PR 26-AUG-1998; 98US-0097979.
PR 26-AUG-1998; 98US-0097986.
PR 26-AUG-1998; 98US-0098014.
PR 31-AUG-1998; 98US-0098525.
PR 16-SEP-1998; 98US-0100834.
PR 12-JAN-1999; 98US-0115365.

(GETH) GENENTECH INC.
XX Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX WPI: 2000-072883/06.
PT P-PSDB: AAY66757.
XX
PS Membrane-bound proteins and related nucleotide sequences -
XX
XX Claim 2; Fig 289; 822pp; English.
CC The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIR
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences
CC will also be useful for the preparation of PRO polypeptides, especially
CC by recombinant techniques.
XX
SQ Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;

Query Match 14.2%; Score 78; DB 21; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGGGATATAGAGGCTGTCGCGCGGAGCGGAGCGGATTCGCCCGCG 533
DB 1 GCGAGACCGGGATATAGAGGCTGTCGCGCGGAGCGGAGCGGAGCGGATTCGCCCGCG 60
QY 534 GCGCGAGCG 551
DB 61 GCGCGAGCG 78

RESULT 9
AAAF44249
ID AAAF44249 standard; cDNA: 570 BP.
XX
XX AAAF44249;
AC
XX
XX 02-APR-2001 (first entry)
DT
XX
XX Human PRO1245 (UNQ629) nucleotide sequence SEQ ID NO:407.
DE
XX
XX Human, secreted and transmembrane protein; PRO: cytosolic;
KW cell death; cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay; ss.
XX
XX Homo sapiens.
OS
XX MO200073454-A1.
PN
XX 07-DEC-2000.
PD
XX 30-MAR-2000; 2000MO-US08439.
PE
XX 02-JUN-1999; 99MO-US12252.
PR 23-JUN-1999; 99US-0141037.
PR 07-JUL-1999; 99US-0143048.
PR 20-JUL-1999; 99US-0144758.
PR 26-JUL-1999; 99US-0145698.
PR 28-JUL-1999; 99US-0146222.
PR 17-AUG-1999; 99US-0149396.
PR 15-SEP-1999; 99MO-US21090.
PR 08-OCT-1999; 99US-0158653.
PR 30-NOV-1999; 99MO-US28313.
PR 01-DEC-1999; 99MO-US28301.
PR 16-DEC-1999; 99MO-US30911.
PR 20-DEC-1999; 2000MO-US00219.
PR 05-JAN-2000; 2000MO-US00376.
PR 11-FEB-2000; 2000MO-US03565.
PR 18-FEB-2000; 2000MO-US04341.
PR 22-FEB-2000; 2000MO-US04914.
PR 24-FEB-2000; 2000MO-US05004.
PR 02-MAR-2000; 2000MO-US05841.
PR 15-MAR-2000; 2000MO-US06884.
PR 20-MAR-2000; 2000MO-US07377.
XX
XX (GENTH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gertlisen ME, Goddard A, Godowski PJ;
PI Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
XX WPI; 2001-032160/04.
DR P-PSDB; AAB65280.
XX
XX PRO polynucleotides used to produce polypeptides used to target
PT bioactive molecules such as toxins, radiolabels or antibodies, to
PT specific cells, to cause targeted cell death -
XX
XX Claim 2: Fig 289; 935pp; English.
XX
XX The present invention describes human secreted and transmembrane PRO
CC proteins. The PRO proteins have cytosolic activity. The PRO proteins
CC can be used for targeted delivery of bioactive molecules, such as
CC toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide
CC sequences, and their fragments, can be used as hybridisation probes. In
CC chromosomal and gene mapping, and in the generation of anti-sense RNA
CC and DNA. They may also be used to produce transgenic animals which are
CC used to develop and screen therapeutically useful reagents. The PRO

CC nucleotide and protein sequence can be used for tissue typing and in
CC treating cancer. Anti-PRO antibodies can be used in diagnostic assays.
CC AAAF44270 to AAAF4470 represent PCR primers and hybridisation probes used
CC in the isolation of human PRO sequences. AAAF4087 to AAAF4269 and
CC AAB65154 to AAB65300 represent human PRO polynucleotide and protein
CC sequences given in the exemplification of the present invention.
XX
XX Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;
SQ
XX
XX Query Match 14.2%; Score 78; DB 22; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 474 GCGAGAGCCGGGTATAGAGCCCTGCGCTTGCCGAGCAGCAGTTCCCGCCG 533
DB 1 GCGAGAGCCGGGTATAGAGCCCTGCGCTTGCCGAGCAGCAGTTCCCGCCG 60
QY 534 GCCCGAGCCCGCCGCGCC 551
DB 61 GCCCGAGCCCGCCGCGCC 78
XX
XX RESULT 10
ABX80386
ID ABX80386 standard; DNA: 570 BP.
XX
XX ABX80386;
AC
XX
XX 28-APR-2003 (first entry)
DT
XX
XX Novel human secreted or transmembrane protein PRO1358 DNA.
DE
XX
XX Human; PRO: hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour immune response;
KW adrenergic cortical capillary endothelial growth; c-Fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes cell survival;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disease;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW chondrocyte differentiation; Crohn's disease; chondrocyte proliferation;
KW chondrocyte herpeticiformis; sports injury; arthritis; gene; ds.
XX
XX Homo sapiens.
OS
XX
XX US2002132252-A1.
PN
XX 19-SEP-2002.
PD
XX
XX 14-NOV-2001; 2001US-0990442.
PE
XX 05-NOV-1997; 97MO-US20069.
PR 16-SEP-1998; 98MO-US19330.
PR 17-SEP-1998; 98MO-US19437.
PR 07-OCT-1998; 98MO-US21141.
PR 01-DEC-1998; 98MO-US25108.
PR 03-JAN-1999; 99MO-US00106.
PR 08-MAR-1999; 99MO-US00028.
PR 02-JUN-1999; 99MO-US12252.
PR 15-SEP-1999; 99MO-US21547.
PR 30-NOV-1999; 99MO-US28313.
PR 01-DEC-1999; 99MO-US28301.
PR 16-DEC-1999; 99MO-US28634.
PR 20-DEC-1999; 99MO-US30095.
PR 06-JAN-2000; 2000MO-US00219.
PR 06-JAN-2000; 2000MO-US00376.
PR 11-FEB-2000; 2000MO-US03565.
PR 18-FEB-2000; 2000MO-US04341.
PR 22-FEB-2000; 2000MO-US04914.
PR 24-FEB-2000; 2000MO-US04914.
PR 24-FEB-2000; 2000MO-US05004.

PR 02-MAR-2000; 2000MO-US05841.
 PR 10-MAR-2000; 2000MO-US06319.
 PR 15-MAR-2000; 2000MO-US06884.
 PR 20-MAR-2000; 2000MO-US07377.
 PR 30-MAR-2000; 2000MO-US08439.
 PR 15-MAY-2000; 2000MO-US13358.
 PR 17-MAY-2000; 2000MO-US13705.
 PR 30-MAY-2000; 2000MO-US14042.
 PR 02-JUN-2000; 2000MO-US14941.
 PR 28-JUL-2000; 2000MO-US20710.
 PR 11-AUG-2000; 2000MO-US22031.
 PR 23-AUG-2000; 2000MO-US23522.
 PR 28-AUG-2000; 2000MO-US23528.
 PR 08-NOV-2000; 2000MO-US30952.
 PR 01-DEC-2000; 2000MO-US32678.
 PR 28-FEB-2001; 2001MO-US06520.
 PR 01-JUN-2001; 2001MO-US17800.
 PR 20-JUN-2001; 2001MO-US19692.
 PR 29-JUN-2001; 2001MO-US21066.
 PR 09-JUL-2001; 2001MO-US21735.
 PR 16-JUN-1997; 97US-049787P.
 PR 17-OCT-1997; 97US-062250P.
 PR 12-NOV-1997; 97US-065186P.
 PR 13-NOV-1997; 97US-065311P.
 PR 24-NOV-1997; 97US-066770P.
 PR 25-FEB-1998; 98US-075945P.
 PR 20-MAR-1998; 98US-078910P.
 PR 28-APR-1998; 98US-083322P.
 PR 07-MAY-1998; 98US-084600P.
 PR 28-MAY-1998; 98US-087106P.
 PR 02-JUN-1998; 98US-087607P.
 PR 02-JUN-1998; 98US-087759P.
 PR 03-JUN-1998; 98US-087827P.
 PR 04-JUN-1998; 98US-088021P.
 PR 04-JUN-1998; 98US-088023P.
 PR 04-JUN-1998; 98US-088026P.
 PR 04-JUN-1998; 98US-088028P.
 PR 04-JUN-1998; 98US-088029P.
 PR 04-JUN-1998; 98US-088030P.
 PR 04-JUN-1998; 98US-088033P.
 PR 04-JUN-1998; 98US-088336P.
 PR 05-JUN-1998; 98US-088167P.
 PR 05-JUN-1998; 98US-088202P.
 PR 05-JUN-1998; 98US-088212P.
 PR 05-JUN-1998; 98US-088217P.
 PR 09-JUN-1998; 98US-088655P.
 PR 10-JUN-1998; 98US-088734P.
 PR 10-JUN-1998; 98US-088738P.
 PR 10-JUN-1998; 98US-088742P.
 PR 10-JUN-1998; 98US-088810P.
 PR 10-JUN-1998; 98US-088824P.
 PR 10-JUN-1998; 98US-088826P.
 PR 11-JUN-1998; 98US-088858P.
 PR 11-JUN-1998; 98US-088861P.
 PR 11-JUN-1998; 98US-088875P.
 PR 12-JUN-1998; 98US-088910P.
 PR 16-JUN-1998; 98US-089440P.
 PR 16-JUN-1998; 98US-089512P.
 PR 16-JUN-1998; 98US-089514P.
 PR 17-JUN-1998; 98US-089532P.
 PR 17-JUN-1998; 98US-089538P.
 PR 17-JUN-1998; 98US-089598P.
 PR 17-JUN-1998; 98US-089599P.
 PR 17-JUN-1998; 98US-089600P.
 PR 17-JUN-1998; 98US-089633P.
 PR 18-JUN-1998; 98US-089801P.
 PR 18-JUN-1998; 98US-089907P.
 PR 28-AUG-2001; 2001US-0941992.
 XX
 XX (GETH) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 PI Ferreira N, Fong S, Gerber H, Garlitsen ME, Goddard A, Godowski PJ;
 PI Grimaldi JC, Gurney AL, Kijavir IJ, Napier MA, Pan J, Paoni NF;
 PI Roy MA, Stewart RA, Tumas D, Watanabe CK, Williams PM, Wood WI;
 PI Zhang Z;
 DR WPI: 2003-247083/24.
 DR P-PSDB: AB059174.
 PT Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
 PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
 PT are therapeutically useful for enhancing immune response and in cancer
 PT treatments -
 XX
 XX Claim 2; Fig 291; 648pp; English.
 CC The invention describes an isolated human PRO polypeptide. The PRO
 CC polypeptides are useful in detecting PRO polypeptides in a sample, in
 CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
 CC in modulating at least one biological activity of a cell expressing a PRO
 CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
 CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
 CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
 CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
 CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
 CC useful for treating conditions or disorders where angiogenesis would be
 CC beneficial, e.g. wound healing and antagonist of this polypeptide are
 CC useful for treating cancerous tumours. PRO812 inhibits vascular
 CC endothelial growth factor (VEGF) stimulated endothelial cell growth in
 CC cells and is thus useful for inhibiting endothelial cell growth in
 CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
 CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
 CC stimulated T-lymphocytes and are therapeutically useful for enhancing
 CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
 CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
 CC rod photoreceptor cells) and therefore are useful for treating retinal
 CC disorders of injuries, e.g. retinitis pigmentosum, AMD. PRO819, PRO813
 CC and PRO11066 induce proliferation of mammalian kidney mesangial cells,
 CC and therefore are useful for treating kidney disorders associated with
 CC decreased mesangial cell function such as Berger disease or other
 CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
 CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
 CC proliferation and/or redifferentiation of chondrocytes in culture and
 CC are thus useful for treating sports injuries, and arthritis. This
 CC sequence represents a novel human PRO protein polynucleotide.
 XX
 SO Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other:
 Query Match 14.2%; Score 78; DB 25; Length 570;
 Best Local Similarity 100.0%; Pred. No. 1.5e-06;
 Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 474 GCGAGACCGGATTAACACCTTCGCTTCCCGGACACCCAGGTTCCCGGCC 533
 DB 1 GCGAGACCGGATTAACACCTTCGCTTCCCGGACACCCAGGTTCCCGGCC 60
 QY 534 GCCCGACCGCCCGGCC 551
 DB 61 GCCCGACCGCCCGGCC 78
 RESULT 11
 ABX80890
 ID ABX80890 strand; cDNA; 570 BP.
 AC ABX80890;
 XX
 AC 22-APR-2003 (first entry)
 XX
 DT Human secreted/transmembrane protein cDNA, #163.
 XX
 DE Human; gene; ss; PRO; secreted; transmembrane; pharmaceutical;
 XX
 KW

PR 04-AUG-1998; 98US-095285P.
PR 04-AUG-1998; 98US-095301P.
PR 04-AUG-1998; 98US-095302P.
PR 04-AUG-1998; 98US-095318P.
PR 04-AUG-1998; 98US-095321P.
PR 04-AUG-1998; 98US-095325P.
PR 10-AUG-1998; 98US-095916P.
PR 10-AUG-1998; 98US-095929P.
PR 10-AUG-1998; 98US-096012P.
PR 11-AUG-1998; 98US-096143P.
PR 11-AUG-1998; 98US-096146P.
PR 12-AUG-1998; 98US-096329P.
PR 17-AUG-1998; 98US-096757P.
PR 17-AUG-1998; 98US-096768P.
PR 17-AUG-1998; 98US-096773P.
PR 17-AUG-1998; 98US-096791P.
PR 17-AUG-1998; 98US-096867P.
PR 17-AUG-1998; 98US-096891P.
PR 17-AUG-1998; 98US-096894P.
PR 17-AUG-1998; 98US-096895P.
PR 17-AUG-1998; 98US-096897P.
PR 18-AUG-1998; 98US-096949P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096959P.
PR 18-AUG-1998; 98US-096960P.
PR 18-AUG-1998; 98US-097022P.
PR 19-AUG-1998; 98US-097141P.
PR 20-AUG-1998; 98US-097218P.
PR 24-AUG-1998; 98US-097661P.
PR 26-AUG-1998; 98US-097952P.
PR 26-AUG-1998; 98US-097954P.
PR 26-AUG-1998; 98US-097955P.
PR 26-AUG-1998; 98US-097971P.
PR 26-AUG-1998; 98US-097974P.
PR 26-AUG-1998; 98US-097978P.
PR 26-AUG-1998; 98US-097979P.
PR 26-AUG-1998; 98US-097986P.
PR 26-AUG-1998; 98US-098014P.
PR 31-AUG-1998; 98US-098525P.
PR 16-SEP-1998; 98US-100634P.
PR 17-SEP-1998; 98US-100858P.
PR 22-DEC-1998; 98US-113296P.
PR 12-MAR-1999; 99US-123957P.
PR 23-JUN-1999; 99US-14037P.

Query Match Best Local Similarity 14.2%; Score 78; DB 25; Length 570;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGGGTATTAAGACCTGCGCTTGCCCGGACCGCAGGTTCCCGCGCC 533
DB 1 GCGAGACCGGGTATTAAGACCTGCGCTTGCCCGGACCGCAGGTTCCCGCGCC 60
QY 534 GCGCCGAGCGCCCGCGCC 551
DB 61 GCGCCGAGCGCCCGCGCC 78

RESULT 12
ABX81273
ID ABX81273 standard; DNM: 570 BP.
XX ABX81273;
AC
XX
XX 22-APR-2003 (first entry)
DE Novel human secreted or transmembrane protein PRO1358 DNA.
XX
XX Human: PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KM Cardiac insufficiency disorder; cancer; tumour; immune response;
KM adrenal cortical capillary endothelial growth; c-fos induction;
KM vascular endothelial growth factor inhibition; VEGF inhibition;

KM endothelial cell growth inhibitor; T-lymphocytes stimulation;
KM retinal neurons cell survival; rod photoreceptor cell survival;
KM retinal disorder; retinitis pigmentosa; kidney disorder;
KM mammalian kidney mesangial cell proliferation; Berger disease;
KM dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KM chondrocyte redifferentiation; sports injury; arthritis; gene; ds.
XX Homo sapiens.
XX US2003027985-A1.
XX
XX 06-FEB-2003.
XX
XX 14-NOV-2001; 2001US-0990562.
XX
XX 05-NOV-1997; 97WO-US20069.
XX 16-SEP-1998; 98WO-US19330.
XX 17-SEP-1998; 98WO-US19437.
XX 07-OCT-1998; 98WO-US21141.
XX 01-DEC-1998; 98WO-US25108.
XX 05-JAN-1999; 99WO-US00106.
XX 08-MAR-1999; 99WO-US05028.
XX 02-JUN-1999; 99WO-US12252.
XX 15-SEP-1999; 99WO-US21090.
XX 30-NOV-1999; 99WO-US28147.
XX 01-DEC-1999; 99WO-US28313.
XX 01-DEC-1999; 99WO-US28301.
XX 16-DEC-1999; 99WO-US28634.
XX 20-DEC-1999; 99WO-US30095.
XX 05-JAN-2000; 2000WO-US00219.
XX 06-JAN-2000; 2000WO-US00376.
XX 11-FEB-2000; 2000WO-US03365.
XX 16-FEB-2000; 2000WO-US04341.
XX 24-FEB-2000; 2000WO-US04914.
XX 02-MAR-2000; 2000WO-US05004.
XX 10-MAR-2000; 2000WO-US05841.
XX 15-MAR-2000; 2000WO-US06884.
XX 20-MAR-2000; 2000WO-US07377.
XX 30-MAR-2000; 2000WO-US08439.
XX 15-MAY-2000; 2000WO-US13358.
XX 17-MAY-2000; 2000WO-US13705.
XX 22-MAY-2000; 2000WO-US14042.
XX 30-MAY-2000; 2000WO-US14941.
XX 02-JUN-2000; 2000WO-US15264.
XX 28-JUL-2000; 2000WO-US20710.
XX 11-AUG-2000; 2000WO-US22031.
XX 23-AUG-2000; 2000WO-US23523.
XX 24-AUG-2000; 2000WO-US23328.
XX 08-NOV-2000; 2000WO-US30952.
XX 01-DEC-2000; 2000WO-US32678.
XX 28-FEB-2001; 2001WO-US06520.
XX 01-JUN-2001; 2001WO-US17800.
XX 20-JUN-2001; 2001WO-US19692.
XX 29-JUN-2001; 2001WO-US21066.
XX 09-JUL-2001; 2001WO-US21735.
XX 16-JUN-1997; 97US-048787P.
XX 17-OCT-1997; 97US-06250P.
XX 12-NOV-1997; 97US-065186P.
XX 13-NOV-1997; 97US-065311P.
XX 24-NOV-1997; 97US-066770P.
XX 25-FEB-1998; 98US-075945P.
XX 20-MAR-1998; 98US-078910P.
XX 28-APR-1998; 98US-083322P.
XX 07-MAY-1998; 98US-084600P.
XX 28-MAY-1998; 98US-087106P.
XX 02-JUN-1998; 98US-087607P.
XX 02-JUN-1998; 98US-087609P.
XX 03-JUN-1998; 98US-087759P.
XX 04-JUN-1998; 98US-087827P.
XX 04-JUN-1998; 98US-088021P.


```
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 04-JUN-1998; 98US-088036P.
PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088866P.
PR 12-JUN-1998; 98US-088876P.
PR 16-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089244P.
PR 16-JUN-1998; 98US-089512P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089558P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 17-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089807P.
PR 18-JUN-1998; 98US-089908P.
PR 18-JUN-1998; 98US-089908P.
PR 19-JUN-1998; 98US-089947P.
PR 19-JUN-1998; 98US-089948P.
PR 22-JUN-1998; 98US-090252P.
PR 22-JUN-1998; 98US-090252P.
PR 22-JUN-1998; 98US-090254P.
PR 23-JUN-1998; 98US-090349P.
PR 23-JUN-1998; 98US-090355P.
PR 24-JUN-1998; 98US-090429P.
PR 24-JUN-1998; 98US-090431P.
PR 24-JUN-1998; 98US-090435P.
PR 24-JUN-1998; 98US-090444P.
PR 24-JUN-1998; 98US-090445P.
PR 24-JUN-1998; 98US-090472P.
PR 24-JUN-1998; 98US-090535P.
PR 24-JUN-1998; 98US-090542P.
PR 24-JUN-1998; 98US-090542P.
PR 25-JUN-1998; 98US-090577P.
PR 25-JUN-1998; 98US-090676P.
PR 25-JUN-1998; 98US-090678P.
PR 25-JUN-1998; 98US-090690P.
PR 25-JUN-1998; 98US-090694P.
PR 25-JUN-1998; 98US-090695P.
PR 25-JUN-1998; 98US-090696P.
PR 26-JUN-1998; 98US-090863P.
PR 26-JUN-1998; 98US-090863P.
PR 01-JUL-1998; 98US-091544P.
PR 01-JUL-1998; 98US-091544P.
PR 02-JUL-1998; 98US-091519P.
PR 02-JUL-1998; 98US-091628P.
PR 02-JUL-1998; 98US-091628P.
PR 02-JUL-1998; 98US-091633P.
PR 02-JUL-1998; 98US-091646P.
PR 02-JUL-1998; 98US-091673P.
PR 07-JUL-1998; 98US-091978P.
PR 07-JUL-1998; 98US-091982P.
PR 09-JUL-1998; 98US-092182P.
PR 10-JUL-1998; 98US-092472P.

PR 20-JUL-1998; 98US-093339P.
PR 30-JUL-1998; 98US-094651P.
PR 04-AUG-1998; 98US-095282P.
PR 04-AUG-1998; 98US-095285P.
PR 04-AUG-1998; 98US-095301P.
PR 04-AUG-1998; 98US-095302P.
PR 04-AUG-1998; 98US-095318P.
PR 04-AUG-1998; 98US-095321P.
PR 04-AUG-1998; 98US-095325P.
PR 10-AUG-1998; 98US-095916P.
PR 10-AUG-1998; 98US-095929P.
PR 10-AUG-1998; 98US-096012P.
PR 11-AUG-1998; 98US-096143P.
PR 11-AUG-1998; 98US-096146P.
PR 12-AUG-1998; 98US-096329P.
PR 17-AUG-1998; 98US-096727P.
PR 17-AUG-1998; 98US-096768P.
PR 17-AUG-1998; 98US-096773P.
PR 17-AUG-1998; 98US-096791P.
PR 17-AUG-1998; 98US-096867P.
PR 17-AUG-1998; 98US-096891P.
PR 17-AUG-1998; 98US-096895P.
PR 17-AUG-1998; 98US-096895P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-097141P.
PR 19-AUG-1998; 98US-097142P.
PR 20-AUG-1998; 98US-097218P.
PR 24-AUG-1998; 98US-097661P.
PR 26-AUG-1998; 98US-097952P.
PR 26-AUG-1998; 98US-097954P.
PR 26-AUG-1998; 98US-097955P.
PR 26-AUG-1998; 98US-097971P.
PR 26-AUG-1998; 98US-097974P.
PR 26-AUG-1998; 98US-097978P.
PR 26-AUG-1998; 98US-097979P.
PR 26-AUG-1998; 98US-097986P.
PR 26-AUG-1998; 98US-098014P.

Query Match 14.2%; Score 78; DB 25; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 474 GCGAGACCGGATATAGAACCTGCTGCGCGGAGCGGAGGAGTTCCCGCGC 533
DB 1 GCGAGACCGGATATAGAACCTGCTGCGCGGAGCGGAGGAGTTCCCGCGC 60
OY 534 GCCCGAGCGCGCGCGC 551
DB 61 GCCCGAGCGCGCGCGC 78

RESULT 13
ABX90363 standard; cDNA: 570 BP.
ID ABX90363;
AC ABX90363;
DT 01-MAY-2003 (first entry)
DE Human secreted/transmembrane protein CDNA, #163.
XX Human; gene; ss; PRO; secreted; transmembrane; signal peptide;
XX pharmaceutical; diagnostic; therapeutic; gene therapy.
OS Homo sapiens.
XX
XX US2002160384-A1.
XX
```


Db 61 GCCCGAGCCCCGCC 78

RESULT 14
ABX77974
ID ABX77974 standard; cDNA; 570 BP.
XX
AC ABX77974;
XX
DT 14-APR-2003 (first entry)
XX
DE Human PRO polynucleotide #127.
XX
XX Human; PRO; gene; ss; cytosolic; tumour; cancer; breast; lung; stomach;
KM liver; horse; cow; dog; cat; sheep; pig; goat; rabbit; ADEPT;
KW antibody-dependent enzyme mediated produg therapy.
XX
OS Homo sapiens.
XX
PN U52003027163-A1.
XX
PD 06-FEB-2003.
XX
PR 15-NOV-2001; 2001US-0997666.
XX
PR 05-NOV-1997; 97NO-US200069.
FR 16-SEP-1998; 98NO-US19330.
FR 17-SEP-1998; 98NO-US19437.
PR 07-OCT-1998; 98NO-US21141.
PR 01-DEC-1998; 98NO-US25108.
PR 05-JAN-1999; 99NO-US05028.
PR 08-MAR-1999; 99NO-US12252.
PR 02-JUN-1999; 99NO-US21090.
PR 15-SEP-1999; 99NO-US21547.
PR 30-NOV-1999; 99NO-US28313.
PR 01-DEC-1999; 99NO-US28301.
PR 16-DEC-1999; 99NO-US28634.
PR 20-DEC-1999; 99NO-US30095.
PR 05-JAN-2000; 2000NO-US30911.
PR 06-JAN-2000; 2000NO-US00376.
PR 11-FEB-2000; 2000NO-US03565.
PR 18-FEB-2000; 2000NO-US04341.
PR 22-FEB-2000; 2000NO-US04914.
PR 24-FEB-2000; 2000NO-US05004.
PR 02-MAR-2000; 2000NO-US05841.
PR 10-MAR-2000; 2000NO-US06319.
PR 15-MAR-2000; 2000NO-US06884.
PR 20-MAR-2000; 2000NO-US07377.
PR 30-MAR-2000; 2000NO-US08439.
PR 15-MAY-2000; 2000NO-US13358.
PR 17-MAY-2000; 2000NO-US13705.
PR 22-MAY-2000; 2000NO-US14042.
PR 30-MAY-2000; 2000NO-US15264.
PR 02-JUN-2000; 2000NO-US20710.
PR 28-JUL-2000; 2000NO-US22031.
PR 11-AUG-2000; 2000NO-US23522.
PR 23-AUG-2000; 2000NO-US23528.
PR 24-AUG-2000; 2000NO-US23328.
PR 08-NOV-2000; 2000NO-US30952.
PR 28-FEB-2001; 2001NO-US106520.
PR 01-DEC-2001; 2001NO-US10692.
PR 20-JUN-2001; 2001NO-US11966.
PR 29-JUN-2001; 2001NO-US21756.
PR 09-JUL-2001; 2001NO-US21755.
PR 16-JUN-1997; 97US-049787P.
PR 17-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-085196P.
PR 13-NOV-1997; 97US-085311P.
PR 24-NOV-1997; 97US-086770P.

PR 25-FEB-1998; 98US-075945P.
PR 20-MAR-1998; 98US-078910P.
PR 28-APR-1998; 98US-083322P.
PR 07-MAY-1998; 98US-084600P.
PR 28-MAY-1998; 98US-087106P.
PR 02-JUN-1998; 98US-087607P.
PR 02-JUN-1998; 98US-087609P.
PR 03-JUN-1998; 98US-087759P.
PR 04-JUN-1998; 98US-088021P.
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 04-JUN-1998; 98US-088326P.
PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 11-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 12-JUN-1998; 98US-088765P.
PR 16-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089410P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089633P.
PR 18-JUN-1998; 98US-089650P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089907P.
PR 18-JUN-1998; 98US-089908P.
PR 19-JUN-1998; 98US-089947P.
PR 19-JUN-1998; 98US-089948P.
PR 19-JUN-1998; 98US-089952P.
PR 22-JUN-1998; 98US-090246P.
PR 22-JUN-1998; 98US-090252P.
PR 23-JUN-1998; 98US-090349P.
PR 23-JUN-1998; 98US-090355P.
PR 23-JUN-1998; 98US-090429P.
PR 24-JUN-1998; 98US-090431P.
PR 24-JUN-1998; 98US-090435P.
PR 24-JUN-1998; 98US-090445P.
PR 24-JUN-1998; 98US-090445P.
PR 24-JUN-1998; 98US-090472P.
PR 24-JUN-1998; 98US-090535P.
PR 24-JUN-1998; 98US-090540P.
PR 24-JUN-1998; 98US-090542P.
PR 24-JUN-1998; 98US-090576P.
PR 25-JUN-1998; 98US-090678P.
PR 25-JUN-1998; 98US-090690P.
PR 25-JUN-1998; 98US-090695P.
PR 25-JUN-1998; 98US-090695P.
PR 25-JUN-1998; 98US-090696P.
PR 26-JUN-1998; 98US-090862P.
PR 26-JUN-1998; 98US-090863P.
PR 01-JUL-1998; 98US-091360P.
PR 01-JUL-1998; 98US-091544P.
PR 02-JUL-1998; 98US-091478P.

PR 02-JUL-1998; 98US-091519P
 PR 02-JUL-1998; 98US-091626P
 PR 02-JUL-1998; 98US-091628P
 PR 02-JUL-1998; 98US-091632P
 PR 02-JUL-1998; 98US-091633P
 PR 02-JUL-1998; 98US-091636P
 PR 02-JUL-1998; 98US-091673P
 PR 07-JUL-1998; 98US-091978P
 PR 07-JUL-1998; 98US-091982P
 PR 09-JUL-1998; 98US-092182P
 PR 10-JUL-1998; 98US-092472P
 PR 20-JUL-1998; 98US-093339P
 PR 30-JUL-1998; 98US-094651P
 PR 04-AUG-1998; 98US-095282P
 PR 04-AUG-1998; 98US-095285P
 PR 04-AUG-1998; 98US-095301P
 PR 04-AUG-1998; 98US-095302P
 PR 04-AUG-1998; 98US-095318P
 PR 04-AUG-1998; 98US-095321P
 PR 04-AUG-1998; 98US-095325P
 PR 10-AUG-1998; 98US-095929P
 PR 10-AUG-1998; 98US-096012P
 PR 11-AUG-1998; 98US-096143P
 PR 11-AUG-1998; 98US-096146P
 PR 12-AUG-1998; 98US-096329P
 PR 17-AUG-1998; 98US-096757P
 PR 17-AUG-1998; 98US-096766P
 PR 17-AUG-1998; 98US-096768P
 PR 17-AUG-1998; 98US-096773P
 PR 17-AUG-1998; 98US-096792P
 PR 17-AUG-1998; 98US-096867P
 PR 17-AUG-1998; 98US-096891P
 PR 17-AUG-1998; 98US-096894P
 PR 17-AUG-1998; 98US-096895P
 PR 17-AUG-1998; 98US-096897P
 PR 18-AUG-1998; 98US-096949P
 PR 18-AUG-1998; 98US-096950P
 PR 18-AUG-1998; 98US-096950P
 PR 18-AUG-1998; 98US-096950P
 PR 18-AUG-1998; 98US-096950P
 PR 18-AUG-1998; 98US-096950P
 PR 18-AUG-1998; 98US-097022P
 PR 19-AUG-1998; 98US-097142P
 PR 20-AUG-1998; 98US-097218P
 PR 24-AUG-1998; 98US-097661P
 PR 26-AUG-1998; 98US-097952P
 PR 26-AUG-1998; 98US-097954P
 PR 26-AUG-1998; 98US-097955P
 PR 26-AUG-1998; 98US-097971P
 PR 26-AUG-1998; 98US-097974P
 PR 26-AUG-1998; 98US-097978P
 PR 26-AUG-1998; 98US-097979P
 PR 26-AUG-1998; 98US-097986P
 PR 26-AUG-1998; 98US-098014P
 PR 31-AUG-1998; 98US-098525P
 PR 16-SEP-1998; 98US-100634P
 PR 17-SEP-1998; 98US-100658P
 PR 22-DEC-1998; 98US-113395P
 PR 12-MAR-1999; 98US-123537P
 PR 23-JUN-1999; 98US-141037P
 PR 07-JUL-1999; 99US-143046P

Query Match 14.2%; Score 78; DB 25; Length 570;
 Best Local Similarity 100.0%; Pred. No. 1.5e-06;
 Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGGGTATAGAGACCTGCTGCTCCGCGGCGAGCGAGTTCGCCCGC 533
 DB 1 GCGAGACCGGGTATAGAGACCTGCTGCTCCGCGGCGAGCGAGTTCGCCCGC 60
 QY 534 GCGCGAGCGCGCGCGCGC 551
 DB 61 GCGCGAGCGCGCGCGCGC 78

RESULT 15
 ABX79570
 ID ABX79570 standard; cDNA; 570 BP.
 XX
 AC ABX79570;
 XX
 DT 17-APR-2003 (first entry)
 XX
 DE Human secreted/transmembrane protein cDNA, #163.
 XX
 KW Human; gene; ss; PRO; secreted; transmembrane; signal peptide;
 KW Pharmaceutical; diagnostic; biosensor; bioreactor; tumour; therapeutic;
 KW Colon cancer; lung cancer; breast cancer;cancer; gene therapy.
 XX
 OS Homo sapiens.
 XX
 PN US2002142961-A1.
 XX
 PD 03-OCT-2002.
 XX
 PF 19-NOV-2001; 2001US-0989721.
 XX
 PR 05-NOV-1997; 97WO-US20069;
 PR 17-SEP-1998; 98WO-US19437;
 PR 07-OCT-1998; 98WO-US21141;
 PR 01-DEC-1998; 98WO-US25106;
 PR 05-JAN-1999; 99WO-US00106;
 PR 08-MAR-1999; 99WO-US00026;
 PR 02-JUN-1999; 99WO-US12232;
 PR 15-SEP-1999; 99WO-US21090;
 PR 15-SEP-1999; 99WO-US21547;
 PR 30-NOV-1999; 99WO-US28313;
 PR 01-DEC-1999; 99WO-US28301;
 PR 01-DEC-1999; 99WO-US28634;
 PR 16-DEC-1999; 99WO-US30095;
 PR 20-DEC-1999; 99WO-US30911;
 PR 05-JAN-2000; 2000WO-US00219;
 PR 06-JAN-2000; 2000WO-US00376;
 PR 11-FEB-2000; 2000WO-US03565;
 PR 18-FEB-2000; 2000WO-US04341;
 PR 22-FEB-2000; 2000WO-US04414;
 PR 24-FEB-2000; 2000WO-US04914;
 PR 24-FEB-2000; 2000WO-US05004;
 PR 02-MAR-2000; 2000WO-US05841;
 PR 10-MAR-2000; 2000WO-US06319;
 PR 15-MAR-2000; 2000WO-US06884;
 PR 20-MAR-2000; 2000WO-US07377;
 PR 30-MAR-2000; 2000WO-US08439;
 PR 15-MAY-2000; 2000WO-US13358;
 PR 17-MAY-2000; 2000WO-US13705;
 PR 22-MAY-2000; 2000WO-US14042;
 PR 30-MAY-2000; 2000WO-US14941;
 PR 02-JUN-2000; 2000WO-US15264;
 PR 28-JUL-2000; 2000WO-US20710;
 PR 11-AUG-2000; 2000WO-US22031;
 PR 23-AUG-2000; 2000WO-US22522;
 PR 24-AUG-2000; 2000WO-US23328;
 PR 08-NOV-2000; 2000WO-US23952;
 PR 01-DEC-2000; 2000WO-US32678;
 PR 28-FEB-2001; 2001WO-US06520;
 PR 01-JUN-2001; 2001WO-US17800;
 PR 20-JUN-2001; 2001WO-US19692;
 PR 29-JUN-2001; 2001WO-US21066;
 PR 09-JUL-2001; 2001WO-US21735;
 PR 16-JUN-1997; 97US-049787P;
 PR 17-OCT-1997; 97US-062250P;
 PR 12-NOV-1997; 97US-065186P;
 PR 13-NOV-1997; 97US-065311P;
 PR 24-NOV-1997; 97US-066770P;
 PR 25-FEB-1998; 98US-075545P;
 PR 20-MAR-1998; 98US-078810P;
 PR 07-MAY-1998; 98US-083322P;
 PR 08-MAY-1998; 98US-084600P;

PR 28-MAY-1998; 98US-087106P.
 PR 02-JUN-1998; 98US-087607P.
 PR 02-JUN-1998; 98US-087609P.
 PR 02-JUN-1998; 98US-087759P.
 PR 03-JUN-1998; 98US-087827P.
 PR 04-JUN-1998; 98US-088021P.
 PR 04-JUN-1998; 98US-088025P.
 PR 04-JUN-1998; 98US-088026P.
 PR 04-JUN-1998; 98US-088028P.
 PR 04-JUN-1998; 98US-088029P.
 PR 04-JUN-1998; 98US-088033P.
 PR 04-JUN-1998; 98US-088326P.
 PR 05-JUN-1998; 98US-088167P.
 PR 05-JUN-1998; 98US-088202P.
 PR 05-JUN-1998; 98US-088212P.
 PR 05-JUN-1998; 98US-088217P.
 PR 09-JUN-1998; 98US-088655P.
 PR 10-JUN-1998; 98US-088734P.
 PR 10-JUN-1998; 98US-088738P.
 PR 10-JUN-1998; 98US-088742P.
 PR 10-JUN-1998; 98US-088810P.
 PR 10-JUN-1998; 98US-088824P.
 PR 10-JUN-1998; 98US-088826P.
 PR 11-JUN-1998; 98US-088858P.
 PR 11-JUN-1998; 98US-088861P.
 PR 11-JUN-1998; 98US-088876P.
 PR 12-JUN-1998; 98US-089105P.
 PR 12-JUN-1998; 98US-089440P.
 PR 16-JUN-1998; 98US-089512P.
 PR 16-JUN-1998; 98US-089514P.
 PR 17-JUN-1998; 98US-089532P.
 PR 17-JUN-1998; 98US-089538P.
 PR 17-JUN-1998; 98US-089598P.
 PR 17-JUN-1998; 98US-089600P.
 PR 17-JUN-1998; 98US-089653P.
 PR 18-JUN-1998; 98US-089801P.
 PR 18-JUN-1998; 98US-089907P.
 PR 18-JUN-1998; 98US-089908P.
 PR 28-AUG-2001; 2001US-0941992.
 XX (GETH) GENENTECH INC.
 XX
 XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 FI Ferrata N, Fong S, Gerber H, Gerritsen HE, Goddard A, Godowski PJ;
 FI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Pooni NF;
 FI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
 FI Zhang Z;
 XX WPI; 2003-155950/15.
 DR P-PSDB; ABUS9026.
 XX
 PT New secreted and transmembrane PRO polypeptides (e.g. PRO183, PRO184,
 PT PRO361 or PRO846) useful as targets for therapeutic intervention in
 PT cancers (e.g. lung or breast cancers), or for diagnosing these cancers
 PT
 XX
 PS
 XX Claim 2; Fig 289; 647p; English.

XX The invention discloses isolated PRO secreted/transmembrane polypeptides
 CC comprising a sequence without signal peptide and the nucleic acid
 CC encoding them. The polypeptides can be used to raise antibodies that
 CC specifically bind to the PRO polypeptide, for linking a bioactive
 CC molecule to a cell expressing a PRO protein and for modulating at least
 CC one biological activity of a cell. The PRO polypeptides or
 CC polynucleotides are also useful as pharmaceuticals, diagnostics,
 CC biosensors or bioreactors, for detecting or treating e.g. tumours in
 CC mammals, e.g. humans, dogs, cats, cattle, horses, sheep, pigs, goats or
 CC rabbits as targets for therapeutic intervention in certain cancers (e.g.
 CC colon, lung or breast cancers) and diagnostic determination of the
 CC presence of these cancers. The PRO polypeptides are also useful as
 CC molecular weight markers or for chromosome identification. The PRO genes

CC are useful as hybridisation probes or for screening libraries of human
 CC cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
 CC therapy, particularly for replacing a defective gene. The sequences
 CC presented in ABX/9290-ABX/9675 are the genes encoding, the primers
 CC amplifying and the probes detecting the PRO polynucleotides of the
 CC invention.
 CC Note: The sequence data for this patent is also available in electronic
 CC format from USPTO at seqdata.uspto.gov/sequence.html.
 XX

SQ Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;

Query Match 14.2%; Score 78; DB 25; Length 570;
 Best local Similarity 100.0%; Pred. No. 1.5e-06;
 Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	474	GGGAGACCGGGTATAGAGCGCTGCGCTTGGCCGAGCGCAGCGAGTTCCCGCGC	533
DB	1	GGGAGACCGGGTATAGAGCGCTGCGCTTGGCCGAGCGCAGCGAGTTCCCGCGC	60
QY	534	GGCCGAGCGCGCGCGCGC	551
DB	61	GGCCGAGCGCGCGCGCGC	78

Search completed: September 19, 2003, 23:30:25
 Job time : 267.219 secs


```

/mol_type="mRNA"
/db_xref="taxon:9606"
/cclone="CS0CAP004Y120"
/r1ssue_type="THYMUS"
/cclone_lib="Homo sapiens THYMUS"
/notes="Vector: pCMVSPORT 6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

```

BASE COUNT

177	a	257	c	323	g	18	t	207	others
-----	---	-----	---	-----	---	----	---	-----	--------

Query Match	15.7%:	Score 86.6:	DB 13:	Length 982:
Best Local Similarity	32.0%:	Prod. No 1.4e-06:		
Matches 139:	Conservative 114:	Mismatches 180:	Indels 2:	Gaps 1:
QY	117	GAGGACAGAGAACAGGAGACCCAGAGAACTGCGCCGCCGCCCTCTGCGCGAGAGGA	176	
Db	552	GGGCGGGGGGGSSGGCGSGGGGCGCCAGGGGCGGGGCGSGGSCCCCCCCCCSCSSG	493	
QY	177	AGCTTCCTCACACAGAGGAAGCTCCCTCACCGGCGCCAGCGCTGCAGGGGGCGCTGG	236	
Db	492	CCCCCCCCCGGG	433	
QY	237	GGTACAGACCGCAAGAGCAAGTGGCGGGCCGGGGGTGGGGCTTGGCGAGACAAAGAGCCGGG	296	
Db	432	SSGSGCCSSCCCGGSSGGGCGGGGCGSSSSSKSCCCSSSCCCCCSSSCCCCCSSSSSS	373	
QY	297	CTGCCTCTCTCAGAGGGCCCCAGCGCCTGCCAAAGAGAACTCTCAGAGCCCGGGACAGG	356	
Db	372	CGSAGSSSSCCCGSGSGSGSGGCGSSSSSGSSSCCCCCC - GSGSCSSSSSSCCSCSGG	315	
QY	357	AAGGGGGCACGGGGCTTCCAGAGGGCCCGCGCGCACAGAAATTTGGCCAGGGACAGCG	416	
Db	314	SSSGGCCCCCSCGSSCGSGSGSGSSSSSSSSSSSGSSSGSGGGGGCCCCSGGGGGGG	255	
QY	417	CGTAGAGCGAGCGGGACAGGCTTCTCTCAGAGAGCGCGCGGCGAGCGCGCGCTGTGAGGGGCG	476	
Db	254	CGGG	195	
QY	477	AGGACCGGGATATAAGAGAGCTCTGAGGCTTGGCCCGGACACCGCAGATTTCCCGCGGGC	536	
Db	194	CGGGGAGGSSGGGGGSCGBSSGGSCCCCCCGKRGAGGGSSSSSSSSSSSSSSSSBC	135	
QY	537	CCGAGCGCCCGCGGC	551	
Db	134	BCSSSSCCCCCCCC	120	

RESULT	2
CNS0606XK	
Locus	
Definition	CNS0606xk 935 bp DNA linear GSS_03-JUN-1999 Drosophila melanogaster genome survey sequence T7 end of BAC # BACH14N09 of RCGI'98 library from Drosophila melanogaster (fruit fly) genomic survey sequence.
Accession	AL016051
Version	AL066051.1
Keywords	GSI+G945019
Source organism	Drosophila melanogaster (fruit fly)
Reference authors title journal	Drosophila melanogaster (Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Phyldiroidea; Drosophilidae; Drosophila. 1 (bases 1 to 935) Genoscope. Direct Submission Submitted (02-JUN-1999) Genoscope - Centre National de Sequencage : BP 131 91006 Evry cedex - FRANCE, (E-mail : seqref@genoscope.cns.fr Web : www.genoscope.cns.fr) determination of this BAC-end sequence was carried out as part of a collaboration with the Berkeley Drosophila Genome Project (BDGP). The BDGP is constructing a physical map of the Drosophila
Comment	

melanogaster genome using these BACs. For further information please visit <http://www.fruitfly.org>. The BPGP Drosophila melanogaster BAC library was prepared by Kazuo Kobayama and Aaron Gammeter in Pleier's laboratory at the Department of Cancer Genetics at the Roswell Park Cancer Institute in Buffalo, NY. The library is named RPCI-98 and was constructed by partial *NotI* digestion of Drosophila DNA provided by the BPGP from the isogenic strain y2: cn bw sp, the same strain used for the BPGP's p1 and EST libraries. A more detailed description of the library and how to order individual BAC clones, the entire library, or filters for hybridization from the BACPC Resource Center can be found at <http://bacpac.med.buffalo.edu/drosophila/bac.htm>.

[illegible][illegible]

Genoscope - Centre National de Séquençage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. Contact : Feng Liang Email : liang@life.com URL :
<http://fulllength.invitrogen.com/> Invitrogen Corporation 1600
Paradise Avenue Genoscope sequence ID : CSOCAP004BEE10QPL
Location/Qualifiers

BASE COUNT	177	a	257	c	323	g	18	t	207	others
------------	-----	---	-----	---	-----	---	----	---	-----	--------

Query Match	14.7%	Score 81	DB 13	Length 982
Best Local Similarity	32.7%	Pred. No.	1.5e-05	
Matches 145, Conservative	97	Mismatches	202	Indels 0; Gaps 0

OY	100	GCCACGGCTCTGGATTCAGAGCGACAGAGACCGAGAACTCGCGCCGCCGCC	159
Db	129	SSSGVGVGVSSSSSSSSSSSSSSSSCCTCYGGGGGGGSCSSVSGSGSCCCSSCG	188
OY	160	TGCCTGACGCGAGAGGAAGCTCCCTCACTCAGGAAACTCCCTTACCCGCCACGCG	219
Db	189	KCCCTCGKCCCCCGGGGGGGGCCSSSSSCCCSCSCSCCCCCCCCCCCCCCCC	248
OY	220	TGCAGGGGGGCGCTGGAGGTCTAGACCGCAAGCGAAGTGTGGGGCGGGGTGGGTCTGC	279
Db	249	CCCCCGCCCCCGGGGGCCCCCGCCSSSCCGSSSSGSSGSSGSCSGSSGCGGGGGG	308
OY	280	GGAACAAAGGCGCGGCTGCCTCTCTCAGAGAGCCCGACGCGCTGCCAAGAAAGTCC	339
Db	309	GCSSSCGSGSGSGSGSSSGSSGSCCCGGGGGGSSCSSSGCCGSGSCCGSGGGSSS	368
OY	340	TGCAGGCGCGGAGGAAAGGGAGGGGACGGCTTCCACGGCCCGCGCCGACAGAGA	399
Db	369	CSCGSSCGSSSGGGGSSSSSGGGGSSSGGSGSMSSSGCCCGCCSSCGGGGSSGGS	428
OY	400	GTTTGCCACGAGCACGCGCCTGACGCGACCGCGGACAGGCTTTCTCAGACCGCGGGCAG	459
Db	429	CGSSGGGSGVGGGSSCGCGCSCSGGGSGGGGGGGGSSCGGGGGGCCCGGGSGGGG	488
OY	460	CCGCGCTCGAGGGGGCGAGACCGGGGTAAAGAAAGCTCTGTTGGCTTCCCGGAGCGCG	519
Db	489	GGGGCSCSGSGGGGGGGGGGGGSSCGSCCGCCCGGGGCGCCCGCCSSCCCGCCG	548
OY	520	CAGGTTCCCCCGCGCCCGGAGCC	543
Db	549	GCCTCCACAGACGAGSCTTACCC	572

RESULT 4	CNS015Y4	1203 bp	DNA	linear	GSS 26-JUL-1995
LOCUS	CNS015Y4				
DEFINITION	CNS015Y4 Drosophila melanogaster genome survey sequence T7 end of BAC BACN15E10 of DrosBAC library from Drosophila melanogaster (fruit fly) AI106054 genomic survey sequence.				
ACCESSION	AI106054				
VERSION	AI106054.1	GI:5619805			
KEYWORDS	GSS.				
SOURCE	Drosophila melanogaster (fruit fly)				
ORGANISM	Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;				

REFERENCE
AUTHORS
TITLE
JOURNAL

Ephydroidea: Drosophilidae: Drosophila.
1 (bases 1 to 1203)
Genoscope.
Direct Submission
Submitted (22-JUL-1999) Genoscope - Centre National de Sequencage : :

COMMENT

FEATURES	COMMENT
	Determination of this BAC-end sequence was carried out as part of collaboration with the European Drosophila Genome Project (EDGP) - http://www.edgp.ebl.ac.uk - This Drosophila melanogaster BAC library (Dros BAC) was made by Alain Billaud at CEPH (Centre d'Etude du Polymorphisme Humain) with funding provided by a MRC project grant. The DNA was prepared from embryos by Alain Bucheton and Genevieve Payan. It has been constructed in the vector pBluescriptII.
	Location/Qualifiers

FEATURES

source

	a	c	g	t	others
BASE COUNT	154	274	380	158	237
ORIGIN					

Query Match	14.1%	Score 77.6;	DB 29;	Length 1203;
Best Local Similarity	35.4%	Pred. No. 6.6e-05;		
Match 175; Conservative	90;	Mismatches 224;	Indels 5;	Gaps 1;

OY	63	CAGAAAGCGCCCAAGAGAACCCCGCAAGGCCGAGCTTGGAGTCTCAGAGA	122
Db	675	CCGGSGSCSSSCSSCCSCCCSCCCCGSGGGGGGCGCGSGSGGGGGGGGGSGG	734
OY	123	GGGACACAGGGGAGCCAGGAATCGGGCGCGCCCGCCCGCCCGCTGGCGCGAAGATCC	182
Db	735	GGGGGGSGGGGCGSGGGCGCCCCCCCCCCCCCCCCCCCCCCCCCGSGSGGGGGG	794
OY	183	CTCACACAGAGGAAGTCCTCCCTCACCCCGGCCACCTCGACAGGGGGCGCGTGGAGTCAG	242
Db	795	GSGGGCGSSGGGGGGSGCGGGCGCCCCCGGGSGGGGCGSCSGGGGGGGGGCGCGSGGCC	854
OY	243	ACCGCAAAAGGGAAGTGTGGGGCGGGGTGGGGTCTGCG----GGAGCAAAAGCGCGGGC	297
Db	855	CGCGCGGGGGGGGGGGGNCGCCSCSGGGGGGSGSCGCGSSSGCGGSGGGGGGGGGGGG	914
OY	298	TGCGCTCTCAGAGAGGGCCCGACCGCCCTGCCAAGAGGAATCTCTAGAGCCCGGGCAGGA	357
Db	915	GGGGGGGGVGGSGGGVYGGVYVGGGSMGGGAVGGAGVGGGGGSCMGATVSSSVS	974
OY	358	AGGGGGCAGCGGCTTCCAGAGCCCGCGCGCGCCGACGACGAATTTGCCACAGGCAACGCC	417
Db	975	GGSGSGGGGSSSGGGGGGYGGCGVGGGGGGGGCCSSGGSGGGGSGMSHMGSGGGGM	1034
OY	418	GTCAGCGGAGCGCGGACAGGCTTTTCTCAGAGACCGGGGCGAGGCCGCGCGCTGAGGGCGA	477
Db	1035	SSGGGSSSGGGGGGGGGGGGGGGCGCCSSSSSSSGSSCCSCCCCCGGGSCCGG	1094
OY	478	GGAACGGGATTAAGACACCTGTGGCTTGTGCGCGGCGAGCGCGAGATTCCCGCGGCC	537
Db	1095	CCGSCCGCCSGCGCGSSGGGGGGGCGCGCGCGCGCCCGCCCGCGCCCGCCCGC	1154
OY	538	CGAGCCCCCGCGCC	551
Db	1155	SGGSCCGSCSGSGC	1168

RESULT 5	AC032885	1313 bp	DNA	linear	GSS 01-NOV-2001
LOCUS	AC032885				
DEFINITION	Pa ⁿ trophoblasts DNA, clone: PTB-007M05.F, genomic survey sequence.				
ACCESSION	AC032885				

```

VERSION      AG032885.1  GI:16559758
KEYWORDS     GSS.
SOURCE       Pan troglodytes (chimpanzee)
ORGANISM     Pan troglodytes
REFERENCE    1. Fujiyama, A., Hattori, M., Toyoda, A., Taylor, T.D., Yada, T.,
AUTHORS      Totoki, Y., Watanabe, H. and Sakaki, Y.
TITLE        BAC end sequences of library PTB
JOURNAL      Unpublished
REFERENCE    2 (bases 1 to 1313)
AUTHORS      Fujiyama, A., Hattori, M., Toyoda, A., Taylor, T.D., Yada, T.,
TITLE        Totoki, Y., Watanabe, H. and Sakaki, Y.
JOURNAL      Direct Submission
TITLE        Submitted (02-JUN-2001) Asao Fujiyama, The Institute of Physical
              and Chemical Research (RIKEN), Genomic Sciences Center (GSC);
              1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
              (E-mail: chimpanzee@sc.riken.go.jp, URL: http://hgp.gsc.riken.go.jp/);
              Tel: 81-45-503-9111, Fax: 81-45-503-9170
              Clones are derived from the chimpanzee BAC library PTB. This BAC end
              was generated during the Rad process and may have higher chance of
              clone tracking errors.
COMMENT      PRIMERS
              Sequencing: -21M13
LIBRARY      Vector : PKS145
              R.Site 1 : Sacti
              R.Site 2 : Sacti.
FEATURES     Location/Qualifiers
              1..1313
               /organism="Pan troglodytes"
               /mol_type="genomic DNA"
               /db_xref="taxon:9598"
               /clone="PTB-007M05.F"
               /sex="male"
               /cell_type="lymphoblast"
               /clone_lib="PTB Chimpanzee Male BAC library"
BASE COUNT   65 a 389 c 502 g 132 t 225 others
ORIGIN
Query Match 14.1%; Score 77.6; DB 29; Length 1313;
Best Local Similarity 43.4%; Pred. No. 6.6e-05;
Matches 227; Conservative 0; Mismatches 296; Indels 0; Gaps 0;
QY 27 GCGTATGCTCCCTGCGCTCCACCTCCCGAGCGCGAGAGCGCCCGACGAGACCCCGC 86
DB 412 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 471
QY 87 AGTGCCTGAGCTTGGCAGAGCTCTGGATCAGAGCGAGGAGCGAGGAGCGAGCACTGCG 146
DB 472 CGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 531
QY 147 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 206
DB 532 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 591
QY 207 CCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 266
DB 592 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 651
QY 267 GGTGGGCGCTGCGGAGCAAAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 326
DB 652 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 711
QY 327 CAAGAAGCAAGCTCTGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 386
DB 712 CGNGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 771
QY 387 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 446
DB 772 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 831

```

```

QY 447 AGCGCGCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 506
DB 832 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 891
QY 507 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 549
DB 892 GNGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 934
RESULT 6
CNS0091P/C
LOCUS
DEFINITION Drosophila melanogaster genome survey sequence TET3 end of BAC #
            BACR19D16 of RPCT-98 library from Drosophila melanogaster (fruit
            fly) genomic survey sequence.
ACCESSION  AL053013.1  GI:4934461
VERSION     GSS.
KEYWORDS    Drosophila melanogaster (fruit fly)
SOURCE      Drosophila melanogaster
ORGANISM    Drosophila melanogaster
REFERENCE    1. (bases 1 to 925)
AUTHORS      Epiphyroidea; Drosophilidae; Drosophila.
TITLE        Genoscope.
JOURNAL      Direct Submission
COMMENT      Submitted (02-JUN-1999) Genoscope - Centre National de Sequencage :
              BP 191 91006 Evry cedex - FRANCE (E-mail : seqref@genoscope.cns.fr
              - Web : www.genoscope.cns.fr)
              Determination of this BAC-end sequence was carried out as part of a
              collaboration with the Berkeley Drosophila Genome Project (BDGP).
              The BDGP is constructing a physical map of the Drosophila
              melanogaster genome using these BACs. For further information
              please see http://www.fruitfly.org The BDGP Drosophila
              melanogaster BAC library was prepared by Kazutoyo Osoegawa and
              Aaron Mammose in Pieter de Jong's laboratory in the Department of
              Cancer Genetics at the Roswell Park Cancer Institute in Buffalo,
              NY. The library is named RPCT-98 and was constructed by partial
              EcoRI digestion of Drosophila DNA provided by the BDGP from the
              isogenic strain y2; cn bw sp. the same strain used for the BDGP's
              P1 and EST libraries. A more detailed description of the library
              and how to order individual BAC clones, the entire library, or
              filters for hybridization from the BACPAC Resource Center can be
              found at http://bacpac.med.buffalo.edu/drosophila_bac.htm.
FEATURES     Location/Qualifiers
              1..925
               /organism="Drosophila melanogaster"
               /mol_type="genomic DNA"
               /db_xref="taxon:7227"
               /clone="BACR19D16"
               /clone_lib="RPCT-98"
               /note="end : TET3"
BASE COUNT   120 a 61 c 61 g 172 t 511 others
ORIGIN
Query Match 14.0%; Score 77.2; DB 29; Length 925;
Best Local Similarity 13.3%; Pred. No. 7.8e-05;
Matches 48; Conservative 165; Mismatches 128; Indels 0; Gaps 0;
QY 178 GCTTCCTACACNAGGAAAGCTCCCTACACCGCGCGCGCGCGCGCGCGCGCGCG 237
DB 918 SCGSSBSCGSSBSCGSSBSCGSSBSCGSSBSCGSSBSCGSSBSCGSSBSCGSSB 859
QY 238 GTGACCGCAAGAGAGTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 297
DB 858 CVCNASSSCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 799
QY 298 TGCCCTCTCAAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 357
DB 798 SSSSACBSSSSSCSASBSSSASBSSSASBSSSASBSSSASBSSSASBSSSASB 739
QY 358 AGGGGCGAGGGCTTCCCGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 417

```

[illegible][illegible]

[illegible][illegible]

```

Db      875 SSSSVVSAVAASSSSSSSASASMAVAANVSVASVSVSSSSSSSSSSASAVVVA 934
QY      424 GAGAGCGGCGAGGCTTCTTCAGAGAGCGCGCGAGCGCCCTCGAGAGCGGAGACCG 483
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      935 SVASASASVSSSSSSSVTSSSSASVSAVSAVSSASASSSVSVVAVAASNA 994
QY      484 GGTATAGAGAGCTCGCTGCGCTTCCCGCGGACCGCGAGTCCCGCGCGCCGACCC 543
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      995 AAAAAAASSSSSAANAVAVASSSSSSSASASSSVSVSSSSSVSVSSSS 1054
QY      544 CCC 546
        |||:::|
Db      1055 VSV 1057

RESULT 12
Bg786331/c 1040 bp mRNA linear EST 20-MAY-2001
LOCUS      SEAMC006288 Sea urchin primary mesenchyme cell cDNA library
DEFINITION Strongylocentrotus purpuratus cDNA clone PC_0028.A2.G12.MR 5', mRNA
SEQUENCE   Bg786331
VERSION     Bg786331.1 GI:14157344
KEYWORDS   EST.
SOURCE      Strongylocentrotus purpuratus
ORGANISM    Strongylocentrotus purpuratus
            Eukaryota; Metazoa; Echinodermata; Eleutherozoa; Echinozoa;
            Echinoidea; Euechinoidea; Echinacea; Echinoidae;
            Strongylocentrotidae; Strongylocentrotus.
            1 (bases 1 to 1040)
            Zhu,X., Mahatras,G., Illies,M.R., Cameron,R.A., Davidson,E.H. and
            Ettensohn,C.A.
            A large scale analysis of mRNAs expressed by primary mesenchyme
            cells of the sea urchin embryo
            Development 128 (13), 2615-2627 (2001)
            21384984
            11493577
            Contact: Ettensohn CA
            Dept. Biol. Sci.
            Carnegie Mellon University
            4400 Fifth Avenue, Pittsburgh, PA 15213, USA
            Tel: +1 412 268 5849
            Email: ettensohn@andrew.cmu.edu.
            location/Qualifiers
            1. 1040
            /organism="Strongylocentrotus purpuratus"
            /mol_type="mRNA"
            /db_xref="taxon:7668"
            /clone="PC_0028.A2.G12.MR"
            /tissue_type="embryo"
            /cell_type="primary mesenchyme cells"
            /lab_host="E.coli"
            /clone_lib="sea urchin primary mesenchyme cell cDNA
            library"
            /note="Vector: pSPORT1; Site_1: NotI; Site_2: SalI; oligo
            dt priming from poly A+ RNA, directionally cloned"
            499 c 472 g 44 t 5 others

BASE COUNT
        20 a 13.38; Score 73.2; DB 12; length 1040;
        499 c 472 g 44 t 5 others

ORIGIN
        13.38; Score 73.2; DB 12; length 1040;
        47.18; Pred. No. 0.00042;
        Matches 256; Conservative 0; Mismatches 285; Indels 3; Gaps 1;

QY      7 GAGAGCGGCGCGGAGTGAATGCTCCCTGCGCGCTTCACCTCCCGAGGCGCAGA 66
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      872 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 813
QY      67 AGCGCGCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 126
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      812 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 753
QY      127 CCAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 186
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

```

```

Db      752 GGGCGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 693
QY      187 CCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 246
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      692 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 633
QY      247 CAAAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 306
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      632 GCGCGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 573
QY      307 CAGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 366
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      572 CCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 513
QY      367 GGGCTTCCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 426
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      512 GGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 453
QY      427 GCGGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 486
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      452 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 394
QY      487 ATRAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 546
        |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      393 --CGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 336
QY      547 GCGC 550
        |||:::|
Db      335 CCGC 332

RESULT 13
BX405071 1201 bp mRNA linear EST 13-MAY-2003
LOCUS      BX405071 Homo sapiens B CELLS (RAMOS CELL LINE) Homo sapiens cDNA
DEFINITION clone CS06006Yg06 3-PRIME, mRNA sequence.
ACCESSION  BX405071
KEYWORDS   EST.
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
            1 (bases 1 to 1201)
            Li,M.B., Gruber,C., Jessee,J. and Polayres,D.
            Full-length cDNA libraries and normalization
            Unpublished
            Contact: Genoscope
            Genoscope - Centre National de Sequencage
            BP 191 91006 Evry cedex - France
            Email: seqref@genoscope.cns.fr Web : www.genoscope.cns.fr
            Library was constructed by life technologies; a division of
            invitrogen. This sequence belongs to sequence cluster 10245.r For
            more information about this cluster, see
            http://www.genoscope.cns.fr/
            cgi-bin/cluster.cgi?seq=CS06006BD03NP1&cluster=10245.r. Contact :
            Feng Liang Email: fliang@life.techn.com URL :
            http://fulllength.invitrogen.com/invitrogen Corporation 1600
            Faraday Avenue Genoscope Sequence ID : CS06006BD03NP1.
            location/Qualifiers
            1. 1201
            /organism="Homo sapiens"
            /mol_type="mRNA"
            /db_xref="taxon:9606"
            /clone="CS06006Yg06"
            /tissue_type="B CELLS (RAMOS CELL LINE)"
            /cell_line="RAMOS CELL LINE"
            /clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE)"
            /note="Vector: pCMVSPORT-6; 1st strand cDNA was primed
            with a NotI-oligo(dT) primer. Five prime end enriched,
            double-strand cDNA was digested with Not I and cloned into
            the Not I and EcoRV sites of the pCMVSPORT 6 vector.
            Library was not normalized."

```

[illegible][illegible]

